

DESIGN BUILD STRUCTURE REPLACEMENT



Project No.

SS-7-804(043)290

PCN

18982

RP 290.195



Prepared by

**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
BISMARCK, NORTH DAKOTA**

<http://www.dot.nd.gov/>

**DIRECTOR
Francis G. Ziegler, P.E.**

**PROJECT DEVELOPMENT DIRECTOR
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October 2011**

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I. PROJECT INFORMATION

A. Project Description

Highway: ND 1804 *District:* Williston

Project: SS-7-804(043)290

From: RP 290.195

B. Purpose of Project

Purpose of this project is to replace a deficient structure with a suitable alternative which meets strength, durability and safety requirements for a stream crossing.

C. Need for Project

Existing Structure: The existing structure is a single span concrete channel-girder bridge that was built in 1969. Its total length is 31 feet, and has a clear roadway width of 36.8 feet. It conveys the flows of Nelson Creek from north to south. According to the Bridge Inventory SI&A sheet, the structure was last inspected in December 2009 and is considered to be structurally deficient with a sufficiency rating of 67.9.

Deficiencies: The channel and channel protection have a rating of 7 or "good" condition. The superstructure has a rating of 4 or "poor" condition and the substructure has a rating of 7 or "good" condition. There is minor drift marks on channel beams and abutments. The S.W. wing has minor spall at junction of wing and abutment with exposed rebar. Minor scaling on bottom of all beams. Numerous random hairline cracks in bottom of all beams with rust stains evident. The first channel from the north has 4' of advanced spalls with exposed rusted rebar, the second has an 8', the 3rd has 8', the 4th has 10', the 11th has 4', and the 12th has 14'. The second beam from the north has one 7' and one 3' areas of severe spalling with exposed rebar. The 4th beam from the north has one 10' area and the 11th beam from the north has one 3' area of severe spalling with exposed rebar. The 12th beam from the north has one 8' and one 4' area of exposed rebar.

D. Scope of Work

The following alternatives are being considered for this project:

Alternative A: No Build (\$0)

Alternative B: Design Build project to replace structure with a box culvert (\$768,045)

This alternative includes the removal and replacement of the existing structure with new reinforced concrete box culvert having a size estimated as a triple 11'x7'x100'.

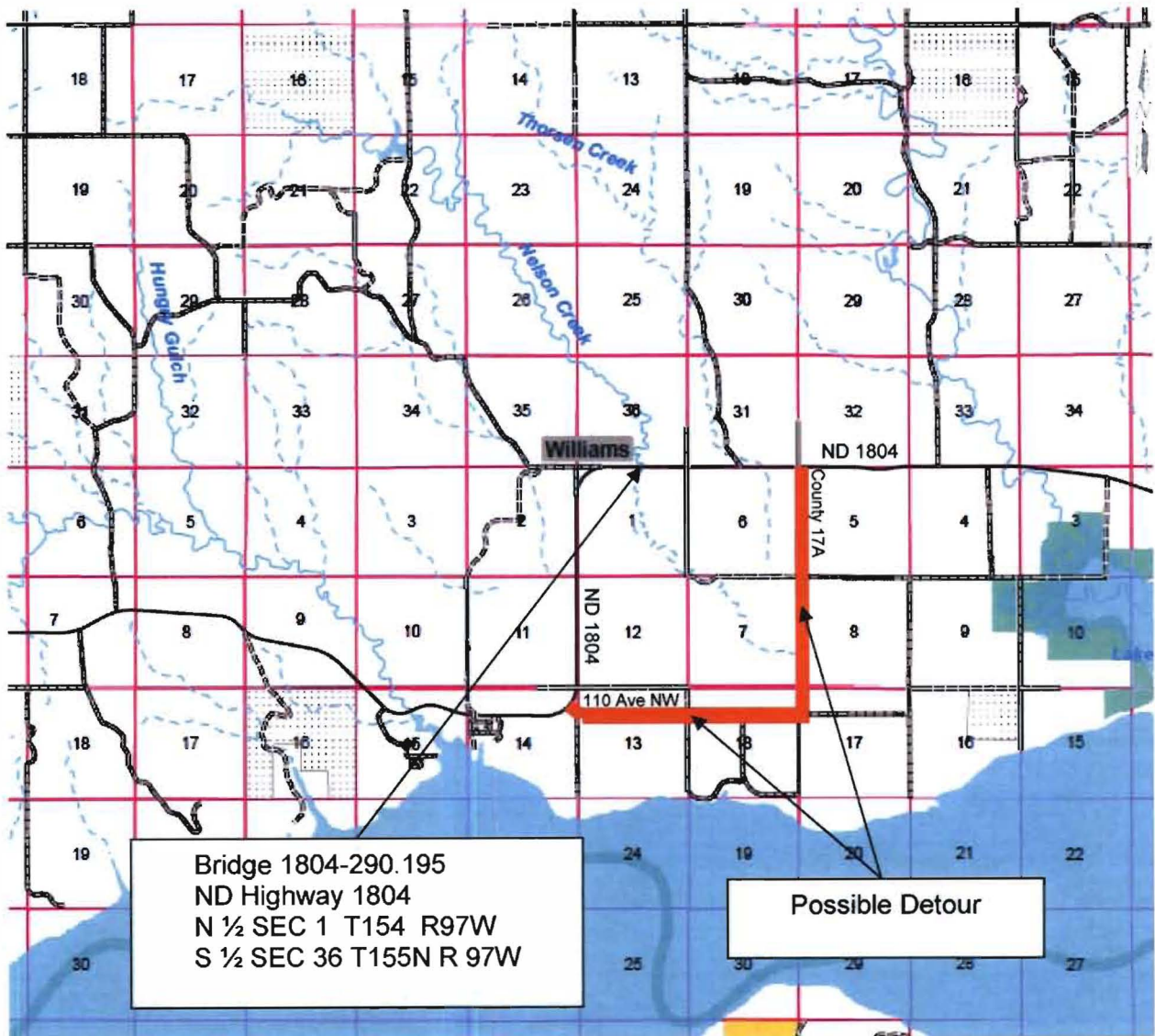
Included in Appendix E is a memorandum dated July 8, 2011. This memorandum expedited project development for PCN 18982 as a Design Build project.

Engineering Issues: Alternative B will require a temporary bypass or detour route during the construction work. Using the detour route would involve closing ND Hwy 1804 at County Road 17A and 110th Ave NW. See Figure 1 for the location of the possible detour route. The current ADT (average daily traffic) over the Bridge on Hwy 1804 is 1,510, consisting of 850 passenger vehicles and 660 trucks. The current ADT on County Road 17A at the possible detour location is 650, consisting of 450 passenger vehicles and 200 trucks. The traffic over the detour route would increase by the 1,510 ADT to 2,160 ADT. A decision item is included to address closing ND 1804 and diverting traffic to the detour.

Williams County was contacted through the Solicitation of Views process. To use the detour Williams County would conduct a haul road inspection and the NDDOT would be responsible for the maintenance, repairs, and detour signing.

The temporary bypass would be designed and built by the Design-Build Contractor. The Design Build Contactor would be responsible for ensuring the design is adequate.

Figure 1 Project Location Map



Environmental Issues: If Alternative B is chosen, temporary and permanent wetland impacts will be incurred.

Table 1 – Cost Estimate

COST ESTIMATE	
Item	Cost
Structure Removal	\$18,000
Triple 11'x7'x96' RCB	\$286,500
Riprap	\$1,200
Clearing and Grubbing	\$5,000
Foundation Fill	\$50,000
Removal of Pavement	\$10,000
Pavement	\$50,000
Topsoil	\$3,000
Temporary Bypass/ Detour Maintenance	\$75,000
Erosion Control	\$16,000
Pavement Marking	\$2,000
Traffic Control	\$5,000
GRAND TOTALS	
TOTAL CONSTRUCTION COST	\$521,700
Contract Bond	\$10,000
Mobilization	\$35,000
35% Engineering	\$198,345
R/W	\$3,000
TOTAL PROJECT COST	\$768,045

II. ENVIRONMENTAL IMPACTS

A. Relocations / Right of Way

Alternative A would not require relocations or additional right of way.

Alternative B would not result in any relocations. Temporary easements and permanent right of way would be needed. The NDDOT will acquire, on both the north and south side of ND 1804, 50 feet of permanent and 25 feet of temporary easements extending 200 feet East and 200 feet West of the structure. The NDDOT will acquire a total 0.918 acres of permanent and 0.459 acres of temporary.

If the Contractor requires more right of way for the bypass than that acquired by the NDDOT, it will be the Contractor's responsibility.

B. Temporary Construction

Activities for the proposed roadway improvement will have temporary air, noise, and water quality impacts within the immediate vicinity of the project. Air quality impacts will be temporary, resulting from diesel-powered construction equipment and dust from construction activities. All necessary measures must be taken to minimize fugitive dust emissions created during construction activities. Dust emissions will be effectively controlled through the use of watering or the application of stabilizing agents.

Noise level increases during construction will be minor and short term. The contractor will be required to comply with all local ordinances and to reduce the chances of disturbing the public.

The impact of the proposed project on the surface water quality of the site will essentially be limited to the adverse effects of erosion during construction. These potentially adverse effects of construction are considered temporary and minimal. Standard erosion control measures will be implemented during construction to protect local waterways from siltation caused from storm water runoff.

The methods used to remove the current structure would be determined by the Contractor. Typical methods include jackhammering the concrete and removing the debris in conjunction with the breaking of the concrete. Impacts to water quality and wetlands would be temporary since the debris would be removed immediately upon entering the channel.

C. Social

Driving inconveniences will be experienced by motorists during construction due to reduced travel speeds through the work zone. The temporary bypass will minimize effects on motorists during construction by maintaining the existing traffic patterns on ND 1804.

The detour option will not increase driving distance but will require reduced speeds. The detour route has sufficient width for head to head traffic.

D. Water Body Modification, Wildlife, and Invasive Plant Species

The Game and Fish Department recommends the structure and any associated riprap be countersunk approximately one foot below the creek bed to allow sediments to accumulate and provide adequate substrate and water depth for fish passage.

E. Wetlands

The office wetland delineation for PCN 18982 / BRS-7-804(043)290 was conducted on July 22, 2011 by Cory Lawson of the North Dakota Department of Transportation. The wetland delineation was conducted using a combination of NWI maps and aerial photography, assuming a 250 foot buffer around the project area and 2,000 feet in length.

A wetland jurisdictional request was sent to the USACE on August 3, 2011 and a Preliminary Jurisdictional Determination was received August 12, 2011 (NWO-2011-01541-BIS). It was determined that Jurisdictional wetlands are present. See Table 3 – Wetland Impact Table.

Permanent impacts will be caused by the installation of the box culvert, its wing walls, and up to 50 LF of rip rap. Temporary impacts will be caused by construction equipment and the possible installation of a temporary bypass.

The wetland impacts will be minimized with the sinking of the box. No further compensatory mitigation will be provided.

Table 3 – Wetland Impact Table

Wetland Number	Location	LONG / LAT (Dec. Deg.)	Cowardin Classification	Wetland Type	Wetland Size (acres)	Wetland Feature	USACE Jurisdictional Wetlands*	Impacts to Wetlands	
								Temp.	Perm.
1	Sec.36, T155N, R97W	-103.096541 W 48.197591 N	PEM	Seasonal Creek	0.16	Natural	X	0.03	0.13
TOTALS					0.16			0.03	0.13

*A wetland jurisdictional determination was issued by the USACE on August 12, 2011; NOW-2011-011541-BIS

F. Threatened and Endangered Species

Consultation with USFWS (US Fish and Wildlife Service) indicated that 6 species occur in Williams County. These include the endangered Interior Least Tern, Whooping Crane, Pallid Sturgeon, and Gray Wolf; as well as the threatened Piping Plover, and candidate species Sprague's Pipit. USFWS indicated that there are no wetland or grassland easements or ESA designated critical habitat. Further, there is no habitat for the sprague's pipit in the project area (cropland, scrub/shrubs creek bottom, and tamed grass ditches).

The proposed project would not effect, and would not jeopardize the continued existence of the species, and would not destroy or adversely modify critical habitat of the species. The project could be completed without any long term impacts to fish and wildlife resources provided that standard precautions are taken during construction.

G. Cultural Resources

A Class III Cultural Resource Inventory was completed in on May 7, 2011 and no sites were identified. A "No Historic Properties Affected" determination was requested on August 18, 2011. ND State Historic Preservation Office (SHPO) concurred with the determination of "No Historic Properties Affected." (#11-2483) A copy of their letter is included in Appendix D.

H. Trees

Trees will be removed. The estimated number determined from using the NDDOT video log and aerial photography is:

Cottonwood	–	20
Box Elder	–	20
Green Ash	–	1

Based on the field review and agency SOV responses, this area was not identified as a riparian area therefore mitigation will not be provided.

I. Unaffected Categories

The following environmental considerations were reviewed and found not relevant to the proposed project:

- Pedestrians/Bicyclists
- Energy
- Visual
- Section 4(f) and 6(f) involvement
- Low Income and Minority Living Areas
- State Scenic River
- Floodplain
- Land Use
- Relocations
- Prime and Unique Farmland
- Economic
- Hazardous Waste

III. ENVIRONMENTAL COMMITMENTS AND PERMITTING

A. Environmental Commitments

- The removal of the bridge will not take place before July 15 to allow migratory birds to complete their nesting cycle unless alternative measures are used to prevent migratory birds from using nests prior to construction.
- The contractor must submit SFN 17987 to the North Dakota Department of Health 10 days prior to beginning the activity. SFN 17987 pertains to Asbestos Notification of Demolition and Renovation of a structure.
- The invert of the box culvert will be set 1 foot lower than the existing channel bottom.

B. Permits

- U.S. Army Corp of Engineers – Section 404 Permit will be required for work proposed in the jurisdictional wetlands.

IV. COMMENTS FROM THE DRAFT ENVIRONMENTAL DOCUMENT

In the Draft Environmental Document the only executive decision included was:

Allow ND Highway 1804 to be closed and traffic diverted to the proposed detour?

Yes _____ No _____

Ron Henke, Office of Operations:

"Recommend that we allow Hwy 1804 to be closed."

Steve Salwei, Office of Transportation Programs:

"Allow Hwy 1804 to be closed and traffic diverted to the proposed detour? - Yes."

Terry Udland, Bridge Division:

"Recommend closing hwy 1804 and diverting traffic to proposed detour."

Robert Fode, Office Transportation Programs:

"No Comment."

Doug Schumaker, Design Traffic Safety:

"No Comment."

Phillip Murdoff, Assistant Construction Services Engineer:

"Typically, on a Design-Build project, the traffic control plan and details would be part of a designer's proposal. The pros and cons of different traffic control plans could be evaluated during the proposal review process."

Terrence Udland, Bridge Division:

1. "The structure's Sufficiency Rating of 67.9 is greater than 50. Therefore, this structure is not eligible for BR funds."

Response: Project number has been changed to SS-7-804(043)290.

2. "The estimate of \$50,000 for the Temporary Bypass/Detour Maintenance may be light."

Response: Estimated cost has been increased to \$75,000.

3. "If the RCB has to be buried a foot for fish passage, the overall height of the box may have to be increased by a foot."

Response: The Design Build Contractor will be responsible for determining the culvert size.

4. "I don't know if there are nests on the existing bridge, but cliff swallows may have to be addressed on this project."

5. "Recommend that the contractor be required to close the road and use the detour. No on-site bypass."

James Rath, Design Division:

"Should we allow Hwy 1804 to be closed and traffic diverted to the proposed detour? - No."

Kevin Brodie, Federal Highway:

Comment 1:

The purpose of the project is, "...to correct structural deficiencies and improve ride quality...", suggests the project is a maintenance project and not a bridge replacement project. Wouldn't the purpose and need be better stated as follows: "Purpose of the project is to replace a deficient structure with a suitable alternative which meets strength, durability and safety requirements for a stream crossing."?

Response: Changed to reflect comment.

Comment 2:

"Alternative B of the PCR defines a specifically dimensioned triple box culvert for which there are no other alternatives described in the PCR. Does this alternative and the lack of other alternatives satisfy the legislative intent for this to be a design build project?"

Response: The dimension is an estimate. The culvert will be properly sized by the Design Build Contractor. The Legislative authorization specifically calls for a box culvert.

Comment 3:

"In keeping with the legislative intent; would it be useful and possibly more appropriate to include an alternative in the PCR which describes a design build "stream crossing" meeting certain performance criteria... i.e. 50 year life cycle, design/construction cost not to exceed \$???????, minimum width, length to meet appropriate design standards, minimum traffic impact during construction, satisfy environmental commitments as defined in the PCR currently?"

Response: The Legislative authorization specifically calls for a box culvert. All design parameters will be according to the NDDOT's Design Manual.

V. EXECUTIVE DECISION

1. Do you agree with the project concepts as proposed?

Yes ☒

No ☐

2. Which alternate should proceed with the project?

☐ Alternate A: No-Build

☒ Alternate B: Design *Build project to replace structure with a box culvert*
Estimated Cost \$768,045


3. Which option should advance to the Design Build RFP pertaining the Temporary Bypass and Detour Route?

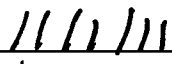
☐ Option 1: Require Contractor to Build a Temporary Bypass

☐ Option 2: Require Contractor to use the Detour Route

☒ Option 3: Allow the Contractor to chose either option

Amendments/Comments for Project No. SS-7-804(043)290:


Grant Levi, P.E., Deputy Director for Engineering


Date

Appendix A

Traffic Data

ESTIMATE OF CURRENT AND FUTURE TRAFFIC
NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
(PLANNING DIV. TRAFFIC INFO. SECTION)

RECNO: 7657

PCN: 18982

DATE PRINTED OR REPRINTED: 08/08/2011 PROJECT NO: BRS-7-804(043)290

DATE PREPARED: 07/14/2011

COUNTY: WILLIAMS

ROUTE ID: 0

HIGHWAY NO: 1804

HWY SUFFIX:

HWY DIRECTION: N

REF PT: 290.000

OFFSET: .1950

LENGTH: 0.0001

PASSENGER EXPANSION FACTOR: 1.49

TRUCK EXPANSION FACTOR: 1.64

TRAFFIC'S ANNUAL % OF GROWTH: 2.0

ESAL'S ANNUAL % OF GROWTH: 2.5

LOCATION:

28 EAST OF WILLISTON

* * * * *
* ALL AADT'S & ESALS, ARE AT THE HIGHEST POINT OF THE PROJECT SEGMENT *

	YEAR	PASS	TRUCKS	TOTAL	30TH MAX HR	E.S.A.L.'S FLEX RIGID	
CURRENT	2011	850	660	1,510	170	290	450
FORECAST	2031	1,270	1,085	2,355	240	480	740

* * * * *

PAVEMENT EQUIVALENCY FACTORS: FLEXIBLE AT SN4 RIGID AT 9 INCHES

WAS CLASS WIM DATA AVAILABLE FOR THIS PARTICULAR LOCATION? N

IS THIS A REVISED ESTIMATE? Y SUPERCEDES EST. OF 08/01/2011

REQUESTED BY: MILESTONE

* * * * * REMARKS! * * * * *

TRAFFIC FORECAST ESTIMATE IS BASED ON 2011 TRAFFIC COUNTS.
TRAFFIC FOR BOTH DIRECTIONS.
COMPLETED BY NR.

ESTIMATE OF CURRENT AND FUTURE TRAFFIC
NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
(PLANNING DIV. TRAFFIC INFO. SECTION)

RECNO: 7694

DATE PRINTED OR REPRINTED: 08/08/2011 PROJECT NO:

DATE PREPARED: 08/04/2011 COUNTY: WILLIAMS ROUTE ID: 5334

HIGHWAY NO: 0 HWY SUFFIX: HWY DIRECTION:

REF PT: 0.000 OFFSET: .0000 LENGTH: 0.0000

PASSENGER EXPANSION FACTOR: 1.27 TRUCK EXPANSION FACTOR: 1.35

TRAFFIC'S ANNUAL % OF GROWTH: 1.2 ESAL'S ANNUAL % OF GROWTH: 1.5

LOCATION: 51 1/4 ST NW (CMC 5334)

* * * * *
* ALL AADT'S & ESALS, ARE AT THE HIGHEST POINT OF THE PROJECT SEGMENT *

	YEAR	PASS	TRUCKS	TOTAL	30TH MAX HR	E.S.A.L.'S FLEX RIGID
CURRENT	2011	450	200	650	65	165 270
FORECAST	2031	575	270	845	85	225 365

* * * * *

PAVEMENT EQUIVALENCY FACTORS: FLEXIBLE AT SN4 RIGID AT 9 INCHES

WAS CLASS WIM DATA AVAILABLE FOR THIS PARTICULAR LOCATION? N

IS THIS A REVISED ESTIMATE? N SUPERCEDES EST. OF

REQUESTED BY: JUSTIN RAMSEY- ETS

* * * * * REMARKS! * * * * *

TRAFFIC FORECAST ESTIMATE IS BASED ON 2011 TRAFFIC COUNTS.
TRAFFIC IN BOTH DIRECTIONS.
COMPLETD BY NR.

USED 30% TRUCKS.
ND 1804 RP 293

Appendix B
Structural Inventory & Appraisal

STRUCTURE NO. 1804-290.195

200 SYSTEM DESIGNATION	STATE	12 BASE HIGHWAY NETWORK	ON BASE NETWORK
201 STATUS	STRUCTURALLY DEFICIENT	20 TOLL	FREE ROAD
202 SUFFICIENCY RATING	67.9	21 MAINTENANCE RESP.	STATE HIGHWAY AGENCY
		22 OWNER	STATE HIGHWAY AGENCY
IDENTIFICATION		26 FUNCTIONAL	RURAL MINOR ARTERIAL
01 STATE	NORTH DAKOTA	37 HISTORICAL SIGNIFICANCE	NOT ELIGIBLE FOR NATL. REG.
02 HIGHWAY DISTRICT	WILLISTON	100 STRATEGIC HIGHWAY NETWORK	NOT A STRAHNET ROUTE
03 COUNTY	WILLIAMS	101 PARALLEL STRUCTURE DESIGNATION	NO PARALLEL STRUCTURE EXISTS
04 CITY	VIEW TOWNSHIP	102 DIRECTION OF TRAFFIC	TWO-WAY TRAFFIC
05 INV. ROUTE	STATE HWY 1804	103 TEMPORARY STRUCTURE DESIGNATION	NO
06 FEATURES INTERSECTED	CREEK	104 HIGHWAY SYSTEM OF INVENTORY RTE	OFF NATL HWY SYSTEM
07 FACILITY CARRIED ON STRUC	ND HIGHWAY	105 FEDERAL LANDS HIGHWAYS	NOT APPLICABLE
08 STRUCTURE NO.	1804-290.195	110 DESIGNATED NATIONAL NETWORK	NO
09 LOCATION	28 EAST OF WILLISTON	112 NBIS BRIDGE LENGTH	YES
11 MILEPOINT	290.195	226 FUNCTIONAL UNDER	
13 LRS INVENTORY ROUTE, SUBROUTE NO.	000000000000		
16 LATITUDE	48 DEG 11.8 MIN	CONDITION	
17 LONGITUDE	103 DEG 5.5 MIN	58 DECK	N NOT APPLICABLE
98 BORDER BRIDGE	NOT APPLICABLE	59 SUPERSTRUCTURE	4 POOR CONDITION
99 BORDER BRIDGE STRUCTURE NUMBER		60 SUBSTRUCTURE	7 GOOD CONDITION
		61 CHAM & CHAM PROT	7 GOOD CONDITION
		62 CULV & RTNG WALLS	N NOT APPLICABLE
STRUCTURE TYPE AND MATERIAL		LOAD RATING AND POSTING	
43 MAIN STRUC. TYPE	CONCRETE CHANNEL BEAM	31 DESIGN LOAD	H15
44 APPROACH STRUC TYPE	NOT APPLICABLE	41 STRUCTURE OPEN OR CLOSED	OPEN, NO RESTRICTION
45 NO. SPANS IN MAIN UNIT	1	63 OPERATING RATING METHOD	LOAD FACTOR (LF)
46 NO. APPROACH SPANS	NOT APPLICABLE	64 OPER RATING	253 HS-29
107 DECK STRCT. TYPE	NOT APPLICABLE	65 INVENTORY RATING METHOD	LOAD FACTOR (LF)
108 WEARING SURFACE	NOT APPLICABLE	66 INV RATING	232 HS-17
MEMBRANE	NOT APPLICABLE	70 BRIDGE POSTING	POSTING NOT REQUIRED 5
DECK PROTECTION	ASPHALT 1	209 POSTED IN "TONS"	TON
208 DECK OVERBURDEN			
AGE AND SERVICE		APPRAISAL	
27 YEAR BUILT	1969	67 STRUCTURAL CONDITION	4 MINIMUM TOLERABLE LIMITS
42 TYPE SERVICE	106 YEAR RECONSTRUCTED	68 DECK GEOMETRY	9 SUP. TO PRES. DESIRABLE CRITERIA
28 LANES ON STRUCTURE	HIGHWAY ON WATERWAY UNDER	69 UNDERCLEAR. VERT & HORIZ	N NOT APPLICABLE
29 ADT CARS & TRUCKS	2 LANES OM; 0 LANES UNDER	71 WATERWAY ADEQUACY	8 EQUAL TO PRES. DESIRABLE CRITERIA EST.
109 AVERAGE DAILY TRUCK TRAFFIC	30 YR OF ADT	72 APP RDWAY ALIGNMENT	8 NO SPEED REDUCTION
19 BYPASS DETOUR LENGTH	2009	36 TRAFFIC SAFETY FEATURES	0011
	25%	113 SCOUR CRITICAL BRIDGE	U UNKNOWN FOUNDATION
	38 MILES		
GEOMETRIC DATA		INSPECTIONS	
10 MIN VER CLEARANCE	UNLIMITED	90 DATE OF LAST INSPECTION	DECEMBER 2009
32 APPROACH ROADWAY WIDTH	31 FEET	91 DESIGNATED INSPECTION FREQUENCY	24 MONTHS
33 BRIDGE MEDIAN	NO MEDIAN	92 CRITICAL FEATURE INSPECTION	N N N
34 SKEW	0 DEG	93 CRITICAL FEATURE INSPECTION DATE	Y48 2008
35 STRUCTURE FLAREO	NO	218 CHANNEL PROFILE	
47 TOTAL HORIZ. CLEARANCE	36.8 FEET	207 TRANSPORTER ERECTOR ROUTES & SITES	MI
48 LENGTH OF MAX SPAN	29 FEET	212 STRUCTURE LOAD RATED	DATE: JULY 2000
49 STRUCTURE LENGTH	31 FEET	213 FAP NUMBER	CS-7-804(00)293
50 CURB/SIDEWALK WIDTHS	NONE FEET RT-SIDE; NONE FEET LT-SIDE	214 DELAYED INSPECTION	
51 BRIDGE RDWY WIDTH-CURB TO CURB	36.8 FEET	216 INSPECTOR	T PETERSON
52 DECK WIDTH	38.0 FEET	217 REMARKS	
53 MIN. VERT. CLEARANCE OVER RDWY	UNLIMITED		
54 MIN. VERT UNDERCLEARANCE	NOT HIGHWAY/RAILROAD		
55 MIN. LATERAL UNDERCLEARANCE-RT	NOT APPLICABLE		
56 MIN. LATERAL UNDERCLEARANCE-LT	NOT APPLICABLE		
210 CULVERT			
211 DESCRIPTION CULVERT			
NAVIGATION DATA			
38 NAVIGATIONAL CONTROL	NO		
39 NAVIGATION VERTICAL CLEARANCE	0 FEET		
40 NAVIGATION HORIZONTAL CLEARANCE	0 FEET		
111 PIER OR ABUTMENT PROTECTION			
116 MINIMUM NAVIGATION VERTICAL CLEARANCE			

MINOR DRIFT MARKS ON CHANNEL BEAMS AND ABUTMENTS. S.W. WING HAS MINOR SPALL AT JCT. OF WING AND ABUTMENT WITH EXPOSED REBAR. MINOR SCALING ON BOTTOM OF ALL BEAMS. NUMEROUS RANDOM HAIRLINE CRACKS IN BOTTOM OF ALL BEAMS WITH RUST STAINS EVIDENT. 2THE 1ST CHANNEL BEAM FROM THE NORTH HAS 4' OF ADVANCED SPALLS WITH EXPOSED RUSTED REBAR, THE 2ND HAS 8', THE 3RD HAS 8', THE 4TH HAS 10', THE 11TH HAS 4' AND THE 12TH HAS 14'. 2THE SECOND BEAM FROM NORTH HAS ONE SEVEN FOOT AND ONE THREE FOOT LONG AREAS OF SEVERE SPALLING WITH EXPOSED REBAR. 4 2THE FOURTH BEAM FROM NORTH HAS ONE 10 FOOT AREA AND THE ELEVENTH BEAM FROM NORTH HAS ONE THREE FOOT AREA OF SEVERE SPALLING WITH EXPOSED REBAR. THE 12TH BEAM FROM NORTH HAS ONE EIGHT FOOT AND ONE FOUR FOOT AREA OF EXPOSED REBAR.

Appendix C
Bridge Division's Recommendations

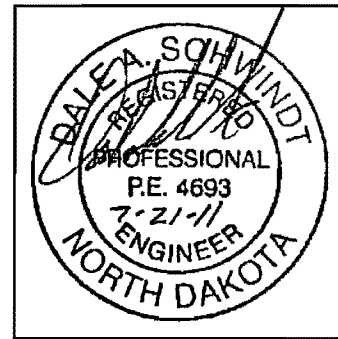
MEMO

TO: File

FROM: Dale Schwindt
Hydraulics and Preliminary Engineering
Bridge Division

DATE: July 21, 2011

SUBJECT: Project BRS-7-804(043)290 PCN 18982
Project Concept Report Input



I hereby certify that this report was prepared by me or under my direct supervision and that I am a duly registered professional engineer under the laws of the State of North Dakota. This document was originally issued and sealed by Dale Schwindt, Registration number PE-4693 on 7/21/2011 and the original document is stored at the North Dakota Department of Transportation.

A field review for this project was conducted on September 22, 2010. Those in attendance were:

Joel Wilt
Lindsey Handel
Bill Kuhlmann
Dale Schwindt

NDDOT – Williston District
FHWA
NDDOT – Design Division
NDDOT – Bridge Division

Project BRS-7-804(043)290 is scheduled for a February 15, 2013 bid opening. The project consists of a structure replacement. The forecast ADT is 1,030. Assuming 4:1 inslopes and a speed limit of 65 mph, the required clear zone is 36' beyond the edge of the driving lane.

BRIDGE NO.	CROSSING	SIZE	BUILT	SUFF. RATING
1804-290.195	Nelson Creek	Single Span Concrete Channel-Girder Bridge – Length 31 feet	1969	67.9

MEMORANDUM

File

Page 2

July 21, 2011

Bridge Number 1804-290.195

This single span concrete channel-girder bridge was built in 1969 with a total length of 31 feet, clear roadway width of 36.8 feet, and conveys the flows of Nelson Creek from north to south. According to the Bridge Inventory SI&A sheet, the structure was last inspected in December 2009 and is considered to be structurally deficient with a sufficiency rating of 67.9. The channel and channel protection have a rating of 7 or "good" condition. The superstructure has a rating of 4 or "poor" condition and the substructure has a rating of 7 or "good" condition. The SI & A sheet comments are:

Minor drift marks on channel beams and abutments. S.W. wing has minor spall at junction of wing and abutment with exposed rebar. Minor scaling on bottom of all beams. Numerous random hairline cracks in bottom of all beams with rust stains evident. The first channel from the north has 4' of advanced spalls with exposed rusted rebar, the second has an 8', the 3rd has 8', the 4th has 10', the eleventh has 4' and the 12th has 14'. The second beam from the north has one 7' and one 3' long areas of severe spalling with exposed rebar. The 4th beam from the north has one 10' area and the 11th beam from the north has one 3' area of severe spalling with exposed rebar. The 12th beam from the north has one 8' and one 4' area of exposed rebar.

Due to the poor condition of the superstructure and the size of the waterway, the only option for replacement is to replace the existing bridge with a box culvert. The estimated structure size to replace the existing bridge is a Triple 11'x7'x96' RCB. The Estimated cost of the structure would be:

Structure Removal	\$18,000
Triple 11'x7'x96' RCB	\$286,500
Riprap	\$1,200
Misc.	\$4,300
Total	\$310,000

c: Terry Udland
Jon Ketterling
Walt Peterson
Joel Wilt

Appendix D
Solicitation of Views

²⁴Save as new file for each project and edit accordingly with project specific contacts²⁴

Type	FED FUNDS	NO FED FUNDS	SPECIAL LTR	Code	Letter	Notes	CTitle	First	Last	Title	Department	Agency	Address	City	State	Zip	Phone	Fax	Response Rec'd	Date Edited
1 STATE				156		It is necessary to fund grant projects and the C-61516 for four weeks in FY0	MT	Bob	Christensen	Cultural Resource Specialist	Cultural Resource Section	NO Department of Transportation	608 E. Boulevard Ave.	Bismarck	ND	58505-0707	701-328-4533		12/16/06	
2 STATE				159	#1	Statewide 2004 letter do not include in train	MA		Adrian	Borich	Cultural Resource Specialist	NO Department of Transportation	608 E. Boulevard Ave.	Bismarck	ND	58505-0707	701-328-4578		12/16/06	
3 FEDERAL				500	1	TEBA	MA	Tec	Hall	Tribal Chairman		Three Affiliated Tribes	404 Frontage Road	New Town	ND	58783			9/30/01	
4 FEDERAL				500	1	Use of funds in rate of four reservations	MA	Berry	Benson	Environmental Liaison Director	Natural Resources Department	Three Affiliated Tribes	404 Frontage Road	New Town	ND	58783			9/30/01	
5 FEDERAL				100	1		SP		or Medium	Chief Middle Engineer	91st Middle Maintenance Squadron	Cable Atlas Office	417 Bombar Blvd	Mead AFB	ND	58705			10/18/07	
6 FEDERAL				100	1	Separate 2004 letter do not include in train	MA	William	Loxandson	Regional Director	NO Field Office	Bureau of Indian Affairs	115 4th Ave SE	Aurden	SD	57401			9/30/01	
7 FEDERAL				100	#1	Separate 2004 letter do not include in train	MA	Dan	Christall	Manager	NO Regulatory Office	US Army Corps of Engineers	1813 E. 12th St.	Bismarck	ND	58504			9/30/01	
8 FEDERAL				500	1	Project within 10 miles of Bismarck Valley Dam, Fossil Dam, or Lake Sakawewa Correction Dam	MA	Leola	Phelps	Natural Resource Manager		US Army Corps of Engineers	PQ Box 627	Fondulake	ND	58555			9/27/01	
9 FEDERAL				100	#1	Separate 2004 letter do not include in train	MA	Paul J.	Swanney	State Commissioner		US Department of Agriculture	PQ Box 1458	Bismarck	ND	58503-1458			11/04/05	
10 FEDERAL				150	1		MA	Gerald	Pulsford	Director, Transmission Lines and Substation	Western Area Power Admin.	US Department of Energy	PQ Box 1173	Bismarck	ND	58502-1173			5/11/07	
11 FEDERAL				150	1		MA	Jeffrey	Townsend	Field Supervisor	US Fish & Wildlife Service	US Fish & Wildlife Service	3425 Merwin Ave.	Bismarck	ND	58501			5/11/07	
12 FEDERAL				200	1	Repeal gROW Acquisition	MA	Greg	Wiche	Director	Water Resources Division	Indian Affairs Commission	851 E. Interstate Ave.	Bismarck	ND	58501			9/12/01	
13 STATE				100	1		MA	Scott	Davis	Executive Director		Indian Affairs Commission	600 E. Blvd. Ave.	Bismarck	ND	58505-0300			9/12/01	
14 STATE				150	#1	Separate 2004 letter do not include in train	MA	Lynette	Wickler	Disaster Recovery Chief	Department of Homeland Security	NO Department of Homeland Security	18 Floor, Federal Bldg, Box 117	Bismarck	ND	58505	701-328-4100		10/24/01	
15 STATE				150	#1	Separate 2004 letter do not include in train	MA	L. David	Call	Chief	Department of Homeland Security	NO Department of Homeland Security	3102 E. Central Ave., 6th floor	Bismarck	ND	58503-1461	701-328-4100	701-328-6500	10/24/01	
16 STATE				200	1	Use value when in the respect of on Forest Service land	MA	Larry	Koehnman	State Forester		NO Forest Service	307 1st S.E.	Bismarck	ND	58018-1100			10/24/01	
17 STATE				150	1		MA	Terry	Steward	Director		NO Game & Fish Department	100 Bismarck Expressway	Bismarck	ND	58001-5505	701-328-4000	701-328-4562	10/24/01	
18 STATE				100	1	Repeal gROW Acquisition	MA	Edward	Murphy	State Geologist		NO Bismarck Expressway	600 E. Blvd. Ave.	Bismarck	ND	58505-0840	701-328-4000	701-328-4500	10/24/01	
19 STATE				100	1		MA	Mark	Armstrong	Director		NO Parks & Recreation Dept.	1800 E. Central Ave. Suite 3	Bismarck	ND	58503-0540	701-328-4587	701-328-5380	10/24/01	
20 STATE				100	#1	Separate 2004 letter do not include in train	MA	Todd	Rambo	State Engineer		NO Game Water Commission	800 E. Blvd. Ave.	Bismarck	ND	58505-0400			10/24/01	
21 STATE				100	1		MA	Scott	Hochstetler	State Soil Specialist		Soil Conservation Committee	2718 Gateway Ave. #104	Bismarck	ND	58503	701-328-4716	701-328-4721	10/24/01	
22 COUNTY				400	1		MA	Cheryl	Chapman	Finance Director	Williston County	Williston County	200 E. Broadway, P.O. Box 2047	Williston	ND	58803-2047			10/24/01	
23 COUNTY				400	1		MA	Cheryl	Chapman	Planning Director	Williston County	Williston County	200 E. Broadway, P.O. Box 2047	Williston	ND	58803-2047			10/24/01	
24 COUNTY				400	1		MA	Cheryl	Chapman	Planning/Zoning Committee	Williston County	Williston County	200 E. Broadway, P.O. Box 2047	Williston	ND	58803-2047			10/24/01	
25 COUNTY				400	1		MA	Cheryl	Chapman	Soil Conservation District	Williston County	Williston County	200 E. Broadway, P.O. Box 2047	Williston	ND	58803-2047			10/24/01	
26 COUNTY				400	1		MA		Auditor		Williston County	Williston County	200 E. Broadway, P.O. Box 2047	Williston	ND	58803-2047			10/24/01	
27 COUNTY				400	1		MA		Commission		Williston County	Williston County	200 E. Broadway, P.O. Box 2047	Williston	ND	58803-2047			10/24/01	
28 COUNTY				400	1		MA		Deedle Management		Williston County	Williston County	200 E. Broadway, P.O. Box 2047	Williston	ND	58803-2047			10/24/01	
29 COUNTY				400	1		MA		Highway Engineer/Supervisor		Williston County	Williston County	200 E. Broadway, P.O. Box 2047	Williston	ND	58803-2047			10/24/01	
30 COUNTY				400	1		MA		Shovel		Williston County	Williston County	200 E. Broadway, P.O. Box 2047	Williston	ND	58803-2047			10/24/01	
31 COUNTY				500	1		MA		Towning Board		Williston County	Williston County	General Delivery	Ray	ND	58569			10/24/01	
32 FEDERAL				100	1		MA		Towning Board		Williston County	Williston County	General Delivery	Ray	ND	58569			10/24/01	
33 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
34 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
35 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
36 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
37 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
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41 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
42 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
43 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
44 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
45 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
46 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
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51 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
52 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
53 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
54 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
55 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
56 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
57 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
58 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
59 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
60 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
61 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
62 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
63 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
64 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
65 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
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67 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
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71 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
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74 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
75 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
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79 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
80 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
81 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
82 FEDERAL				100	1		MA	Dwight	Clark	General Manager	Williston County	Williston County	Ray	ND	58569	701-328-4716			10/24/01	
83 FEDERAL																				

Letter 1:

Mr. Bob Christensen
Cultural Resource Specialist
Cultural Resource Section
ND Department of Transportation
608 E. Boulevard Ave.
Bismarck ND 58505-0700

Mr. Barry Benson
Environmental Division Director
Natural Resources Department
Three Affiliated Tribes
404 Frontage Road
New Town ND 58763

Sir or Madam
Chief Missile Engineer
91st Missile Maintenance Squadron
Cable Affairs Office
417 Bomber Blvd
Minot AFB ND 58705

Ms. Linda Phelps
Natural Resources Manager
US Army Corps of Engineers
PO Box 527
Riverdale ND 58565

Mr. Jeffrey Towner
Field Supervisor
ND Field Office
US Fish & Wildlife Service
3425 Miriam Ave.
Bismarck ND 58501

Mr. Lonnie Hoffer
Disaster Recovery Chief
Department of Homeland Security
ND Department of Emergency Services
PO Box 5511
Bismarck ND 58506

Mr. Terry Steinwand
Director
ND Game & Fish Department
100 Bismarck Expressway
Bismarck ND 58501-5095

Chairman
Park Board
Williams County
205 E Broadway, P O Box 2047
Williston ND 58802-2047

Auditor
Williams County
205 E Broadway, P O Box 2047
Williston ND 58802-2047

Ms. Jean Borchert
Cultural Resource Specialist
Cultural Resource Section
ND Department of Transportation
608 E. Boulevard Ave.
Bismarck ND 58505-0700

Mr. Weldon Loudermilk
Regional Director
Bureau of Indian Affairs
115 4th Ave SE
Aberdeen SD 57401

Mr. Greg Wiche
Director
Water Resources Division
US Geological Survey
821 E. Interstate Ave
Bismarck ND 58501

Mr. Edward Murphy
State Geologist
ND Geological Survey
600 E. Blvd Ave.
Bismarck ND 58505-0840

Mr. Scott Hochhalter
State Soil Specialist
NDSU Extension Service
Soil Conservation Committee
2718 Gateway Ave., #104
Bismarck ND 58503

Chairman
Planning/Zoning Committee
Williams County
205 E Broadway, P O Box 2047
Williston ND 58802-2047

Commission
Williams County
205 E Broadway, P O Box 2047
Williston ND 58802-2047

Sheriff
Williams County
205 E Broadway, P O Box 2047
Williston ND 58802-2047

Township Board
Hofflund Township
Rr 3 Box 147
Tioga ND 58852

Mr. Tex Hall
Tribal Chairman
Three Affiliated Tribes
404 Frontage Road
New Town ND 58763

Mr. Gerald Paulson
Director, Transmission Lines and Substations
Western Area Power Admin
US Department of Energy
PO Box 1173
Bismarck ND 58502-1173

Mr. Scott Davis
Executive Director

Indian Affairs Commission
600 E. Blvd Ave
1st Floor, Judicial Wing, Rm 117
Bismarck ND 58505-0300

Mr. Larry Kotchman
State Forester
ND Forest Service
307 1st St E
Bottineau ND 58318-1100

Mr. Mark Zimmerman
Director
ND Parks & Recreation Dept.
1600 E Century Ave, Suite 3
Bismarck ND 58503-0649

Director
Finance
Williams County
205 E Broadway, P O Box 2047
Williston ND 58802-2047

Chairman
Soil Conservation District
Williams County
205 E Broadway, P.O. Box 2047
Williston ND 58802-2047

Chairman
Water Resource District
Williams County
205 E Broadway, P O Box 2047
Williston ND 58802-2047

Disaster Management
Williams County
205 E Broadway, P O Box 2047
Williston ND 58802-2047

Highway Engineer/Supervisor
Williams County
205 E Broadway, P.O. Box 2047
Williston ND 58802-2047

Mr. Dale Haugen
Manager
Mountrail-Williams Electric Coop.
P O Box 1346
Williston ND 58802-1346

Mr Dwight Schmitt
General Manager
Northwest Communications Coop
P O Box 38
Ray ND 58849-0038

Township Board
View Township
General Delivery
Ray ND 58849

Mr Rick Olson
Manager
Williams Rural Water District
P O Box 1285
Williston ND 58802-1285

Letter 2:
Mr Dan Cimarosti
Manager
ND Regulatory Office
US Army Corps of Engineers
1513 S. 12th St.
Bismarck ND 58504

Letter 3:
Mr Paul J Sweeney
State Conservationist
US Department of Agriculture
PO Box 1458
Bismarck ND 58502-1458

Letter 4:
Mr L. David Glatt
Chief
Environmental Health Section
Gold Seal Center
ND Department of Health
918 E. Divide Ave., 4th floor
Bismarck ND 58501-1947

Letter 5:
Merl Paaverud
ND State Historic Preservation Officer
ND heritage Center
612 E. Boulevard Ave.
Bismarck ND 58505-0830

Letter 6:
Mr Todd Sando
State Engineer
ND State Water Commission
900 E Blvd Ave
Bismarck ND 58505-0850

August 3, 2011

«CTitle» «First» «Last»
«Title»
«Department»
«Agency»
«Address»
«City», «State» «Zip»

PROJECT NO. BRS-7-804(043)290, PCN 18982
STRUCTURAL REHABILITATION
ND 1804 - 28 MILES EAST OF WILLISTON
WILLIAMS COUNTY

The North Dakota Department of Transportation, in cooperation with the Federal Highway Administration, is proposing a roadway improvement on ND 1804 at Reference Point 290.195, which is 28 miles East of Williston.

The project consists of replacing the existing single span concrete channel-girder bridge that was built in 1969 with a box culvert. The existing bridge has a total length of 31 feet and a clear roadway width of 36.8 feet. It conveys the flows of Nelson Creek from north to south.

The existing bridge demonstrates signs of deterioration, including spalling, exposed rebar, scaling, random hairline cracks, and rust stains. Due to the poor condition of the superstructure and the size of the waterway, the only option for replacement is to replace the existing bridge with a box culvert. The estimated structure size to replace the existing bridge is a Triple 11'x7'x100' RCB.

There will be a need for a detour route or temporary bypass while the construction work is being completed. A possible detour route would be utilizing County Road 17A and 110th Ave NW. See the attached map for the location of the possible detour route.

This project is expected to be constructed during the 2012 construction season.

To ensure that all social, economic, and environmental effects are considered in the development of this project, we are soliciting your views and comments on the proposed project pursuant to Section 102(2) (D) (IV) of the National Environmental Policy Act of 1969, as amended. We are particularly interested in any property which your department may own or have an interest in and which would be adjacent to the proposed roadway improvement. We would also appreciate being made aware of any proposed developments your department may be contemplating in the areas under consideration for the proposed roadway facility. Any information that might help us in our studies would be appreciated.

Information or comments relating to environmental or other matters that you might furnish will

Page 2
August 3, 2011

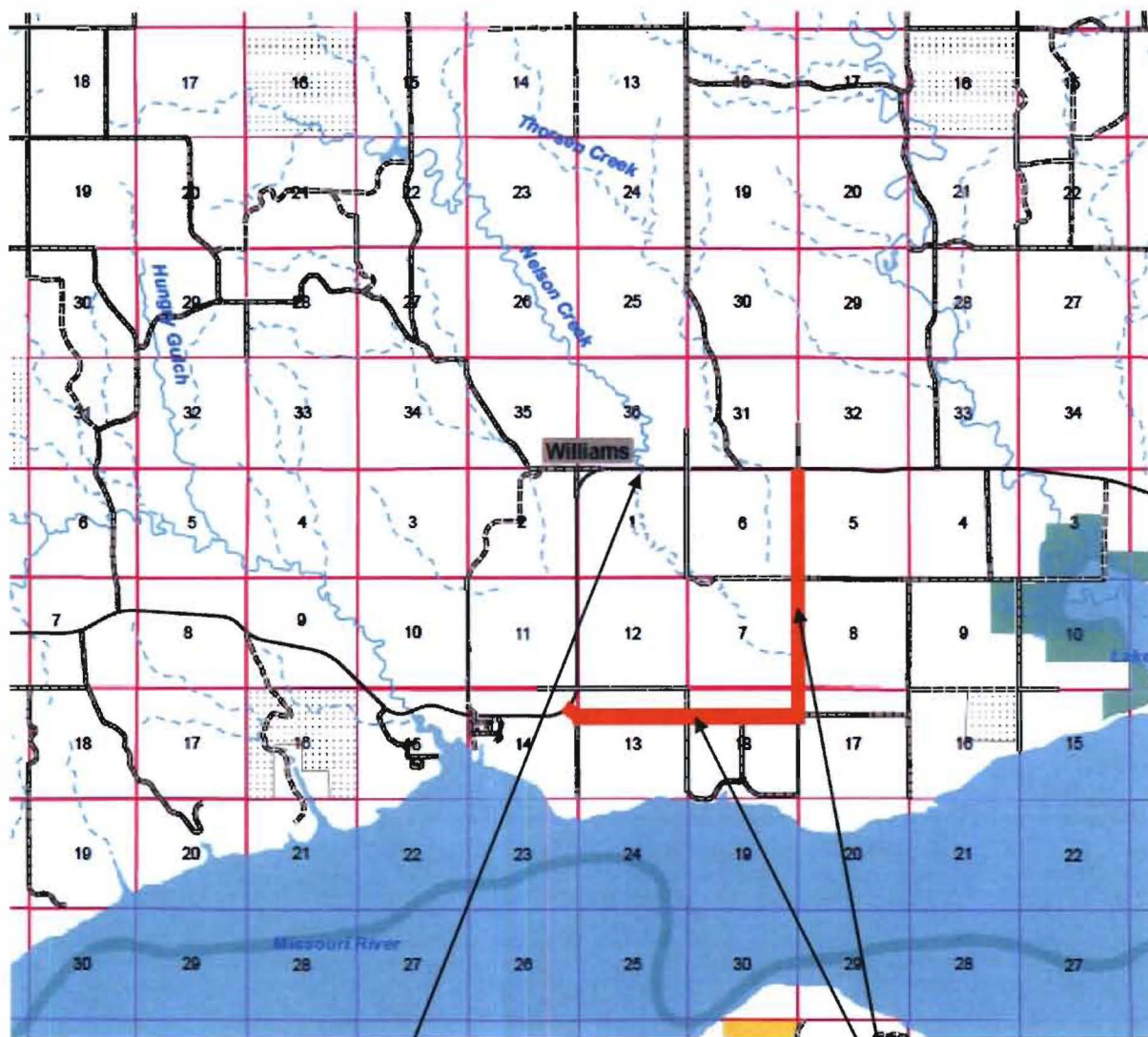
be used in determining if this project is a "categorical exclusion" or whether an "Environmental Assessment" or a "Draft Environmental Impact Statement" will be prepared.

It is requested that any comments or information be forwarded to our office on or before September 5, 2011. If no reply is received by this date, it will be assumed that you have no comment on this project.

If further information is desired regarding the proposed roadway improvement, please contact Justin Ramsey at 701-328-1217 in Bismarck, North Dakota.

Mark S. Gaydos, P.E., Director of Environmental and Transportation Services

Enclosure



Bridge 1804-290.195
 ND Highway 1804
 N ½ SEC 1 T154 R97W
 S ½ SEC 36 T155N R 97W

Possible Detour

Project Location Map
 BRS-7-804(043)290



North Dakota Department of Transportation

Francis G. Ziegler, P.E.
Director

Jack Dalrymple
Governor

August 3, 2011

Mr. Dan Cimarosti, State Program Manager
US Army Corps of Engineers
North Dakota Regulatory Office
1513 S. 12th St.
Bismarck, ND 58504

PROJECT NO. BRS-7-804(043)290, PCN 18982
STRUCTURAL REHABILITATION
ND 1804 - 28 MILES EAST OF WILLISTON
WILLIAMS COUNTY

The North Dakota Department of Transportation, in cooperation with the Federal Highway Administration, is proposing a roadway improvement on **ND 1804 at Reference Point 290.195, which is 28 miles East of Williston.**

The project consists of replacing the existing single span concrete channel-girder bridge that was built in 1969 with a box culvert. The existing bridge has a total length of 31 feet and a clear roadway width of 36.8 feet. It conveys the flows of Nelson Creek from north to south.

The existing bridge demonstrates signs of deterioration, including spalling, exposed rebar, scaling, random hairline cracks, and rust stains. Due to the poor condition of the superstructure and the size of the waterway, the only option for replacement is to replace the existing bridge with a box culvert. The estimated structure size to replace the existing bridge is a Triple 11'x7'x100' RCB.

There will be a need for a detour route or temporary bypass while the construction work is being completed. A possible detour route would be utilizing County Road 17A and 110th Ave NW. See the attached map for the location of the possible detour route.

This project is expected to be constructed during the 2012 construction season.

To ensure that all social, economic, and environmental effects are considered in the development of this project, we are soliciting your views and comments on the proposed project pursuant to Section 102(2) (D) (IV) of the National Environmental Policy Act of 1969, as amended.

Page 2
8/03/2011

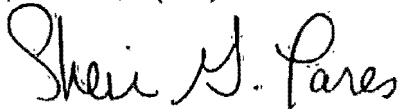
We are particularly interested in any property which your agency may own or have an interest in adjacent to the proposed highway improvement. We would also appreciate being made aware of any proposed developments your agency, or any other parties, may be contemplating in the areas under consideration for the proposed highway project. Any information that might help us in our studies would be appreciated.

Information or comments relating to environmental or other matters that you might furnish will be used in determining if this project is a "Categorical Exclusion" or whether an "Environmental Assessment" or a "Draft Environmental Impact Statement" will be prepared.

Waterbodies in the vicinity of the project include **Lake Sakakawea**. A map indicating the delineated waterbodies and/or wetlands within the project area is enclosed. The delineation map was completed by the **NDDOT** on **07/22/2011**

Please provide a determination for each of the waterbodies and/or wetlands and identify them on the enclosed table. This may include an approved jurisdictional determination, preliminary jurisdictional determination, and/or identification of preambular waters. It is requested that you forward this determination(s), and any comments or other information to our office by **09/03/2011**. We will apply for a Section 404 Permit if any jurisdictional waters will be impacted by the project.

If further information is desired regarding the proposed roadway improvement, please contact Sheri Lares at (701) 328-2188.

A handwritten signature in black ink, reading "Sheri A. Lares". The signature is written in a cursive, flowing style.

SHERI LARES – ENVIRONMENTAL SECTION LEADER

Enclosure

ADDITIONAL INFORMATION FOR WETLAND JURISDICTIONAL REQUESTS ON NDDOT PROJECTS

A. Project Location and Background Information

1. PCN / Project Number: 18982 / BRS-7-804(043)290
 - a. City: Williston
 - b. County: Williams
 - c. State: ND
2. Short project description: Replace Bridge with Box Culvert
3. Name of nearest water body: Lake Sakakawea
4. Name of nearest Traditional Navigable Water (TNW): Yellowstone River
5. Name of watershed or Hydrologic Unit Code (HUC): Lake Sakakawea (10110101)
6. Number of wetlands being considered in this cumulative analysis: 2
7. Approximate acreage being considered in this cumulative analysis (Total Basin Size): 0.16 Ac.

B. Review Performed for Site Evaluation

1. Office Determination Date: 07/22/2011
2. Field Determination Date:

C. General Information

1. General area conditions:
 - a. HUC watershed size (specify acres or square miles): 6813.52 Sq. Mi.
 - b. Average annual precip. (inches): 14.66 in.
 - i. Source: High Plains Regional Climate Center: Epping, ND (322735)
http://www.hprcc.unl.edu/data/historical/index.php?state=nd&action=select_state&submit=Select+State
 - c. Average annual snowfall (inches): 32.5 in.
 - i. Source: High Plains Regional Climate Center: Epping, ND (322735)
http://www.hprcc.unl.edu/data/historical/index.php?state=nd&action=select_state&submit=Select+State
2. Biological characteristics (*Field Determination only; list applicable wetland numbers*):
 - a. The wetland supports (use space below each to elaborate for applicable wetlands):
 - i. Riparian buffer characteristics (type, average width):
 - ii. Habitat for:
 - ___ Federally Listed species. Explain findings:
 - ___ Fish/spawn areas. Explain findings:
 - ___ Other environmentally-sensitive species. Explain findings:
 - ___ Aquatic/wildlife diversity. Explain findings:

D. Data Sources (Check all that apply)

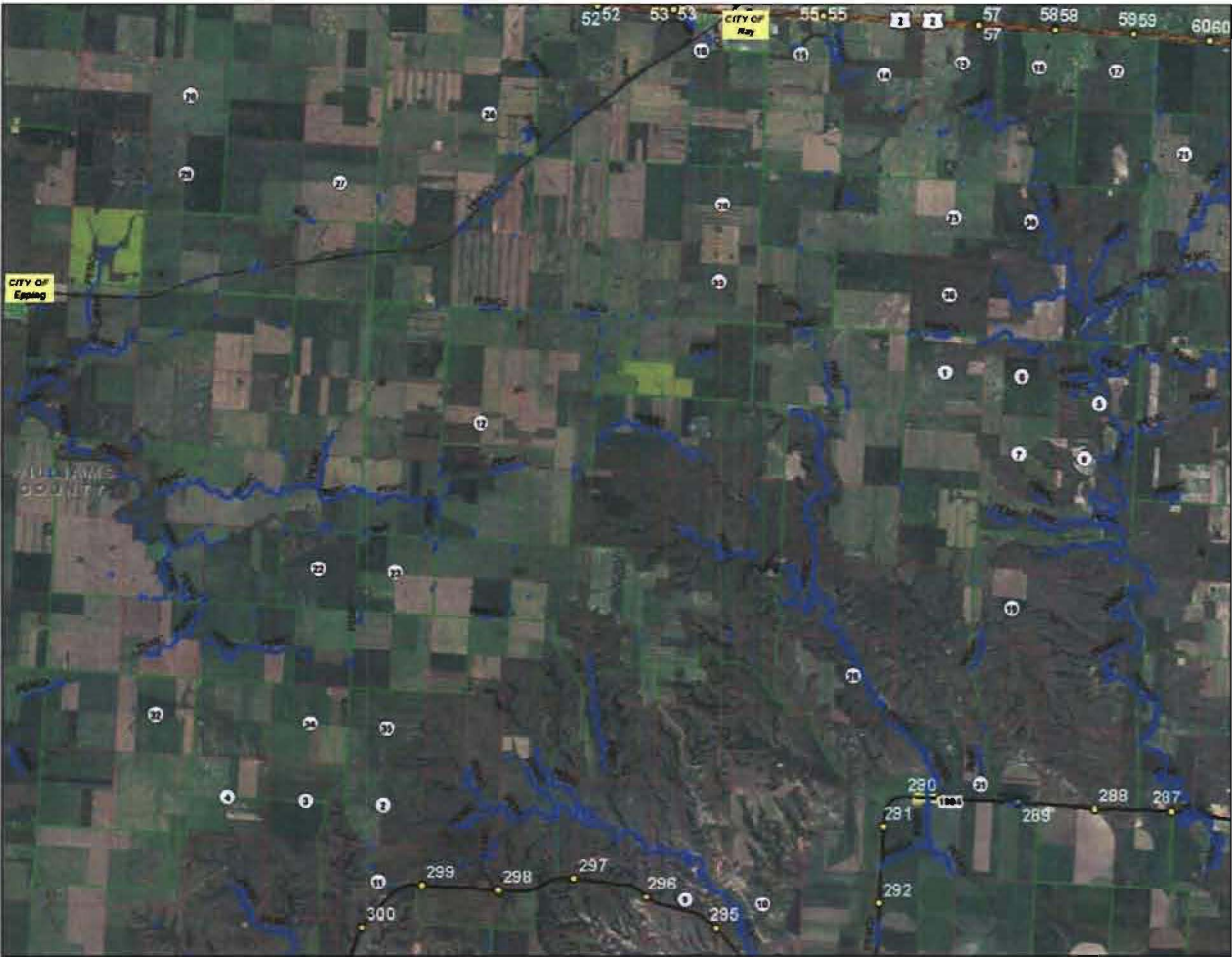
- ☒ Maps, plans, plots, or plat submitted by or on behalf of the applicant/consultant
- ☒ Data Sheets prepared/submitted by or on behalf of the applicant/consultant
- ☐ U.S. Geological Survey Hydrologic Atlas
- ☐ USGS NHD data.

- ☐ ☐ USGS 8 and 12 digit HUC maps.
- ☒ U.S. Geological Survey map(s)
Cite scale & quad name: **NDHUB.Quad24kIndex: Red Mike Hill; USGS**
- ☒ USDA Natural Resources Conservation Service Soil Survey
Citation: **NDHUB.SSURGO_Williams; NRCS**
- ☒ National Wetlands Inventory map(s)
Cite name: **NDHUB.Wetlands Feature Dataset; USFWS**
- ☐ State/Local wetland inventory map(s)
Cite name/date:
- ☐ 100-year Floodplain Elevation is: _____ (National Geodetic Vertical Datum of 1929)
- ☒ Aerial Photographs
Cite name/date: **NAIP 2009, 2010 NRCS Orthophoto 2003, 2004, 2005, & 2006**
- ☐ Applicable/supporting scientific literature:
- ☒ Other information (please specify): **NAIP 2009, 2010 Color Infrared Photography, NDDOT Video Log (OnRamp)**

E. Additional Comments

The office wetland delineation for PCN 18982 was conducted on July 22, 2011 by Cory Lawson of the North Dakota Department of Transportation. The wetland delineations were conducted using a combination of NWI maps and aerial photography, assuming a 250 foot buffer around the project area and 2000 feet in length.

Wetland Number	Location	LONG / LAT (Dec. Deg.)	Cowardin Classification	Wetland Type	Wetland Size (acres)	Wetland Feature
1	Sec 36, T155N, R97W	-103 096541W 48.197591N	PSSC	Seasonal Creek	0.07	Natural
2	Sec. 1, T154N, R97W	-103 096525W 48.197103 N	PSSC	Seasonal Creek	0.09	Natural
TOTAL					0.16	



Williams County,
North Dakota

- Reference Pts
- Project Area
- Environmental - Wetlands
- Interstate Highway
- State Highway
- US Highway
- Bypass
- Gravel
- Paved
- Railroads
- Corporate Boundaries
- County Boundaries
- PLSS Sections

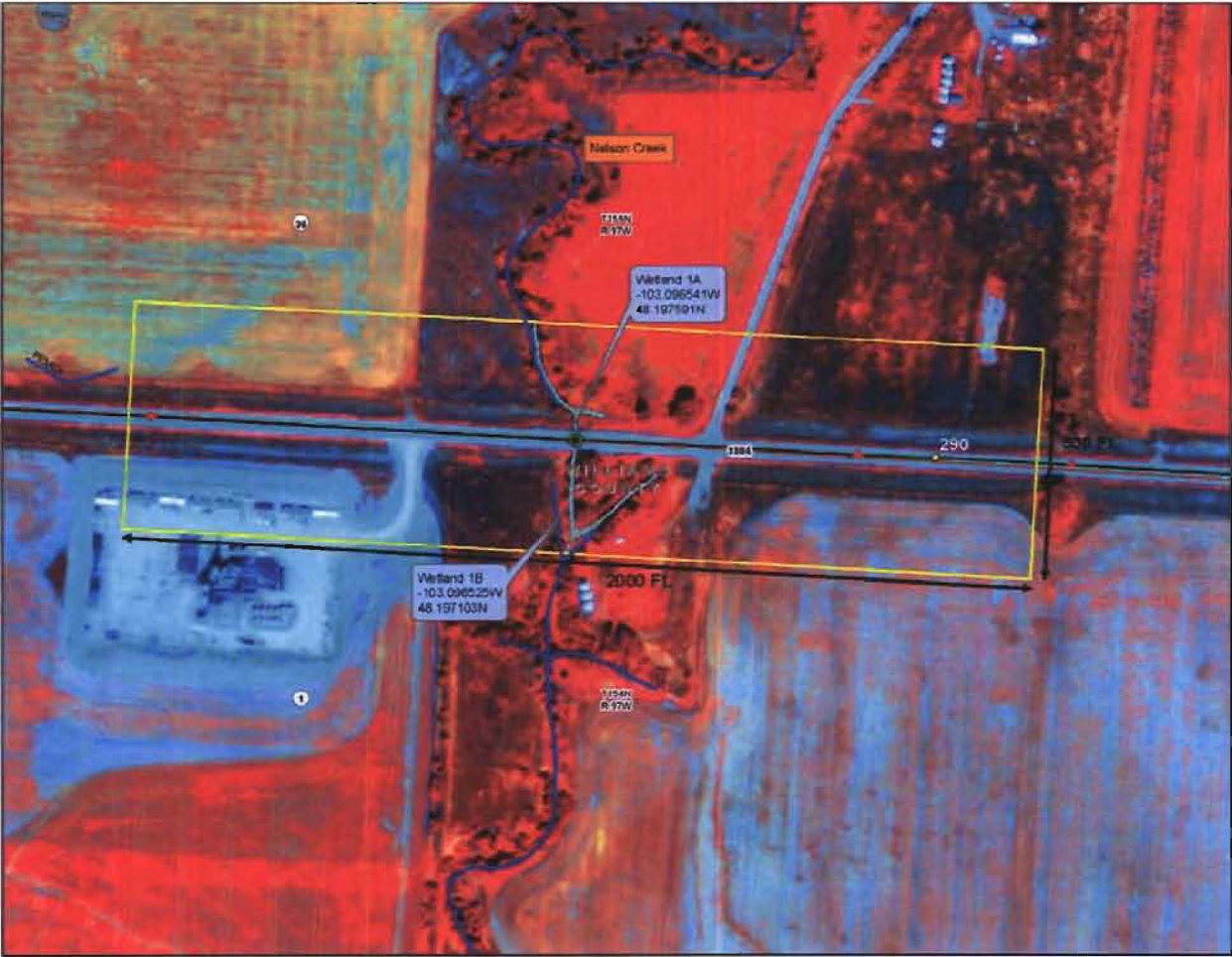
Orthorectified Source: aerial
Date of Photography: 2010 CB
Data Source: NDDOT Data 5/10/2017

Project Location Map

County	Section	Range	Township
CLL	292.11	7S	29N

NDDOT
North Dakota
Department of Transportation

0 1,650 700 7,400 11,100 14,800 Feet



Williams County,
North Dakota

- Reference Pts
- ✚ Center Line Pipes
- Bridges
- Project Area
- Environmental - Wetlands
- Interstate Highway
- State Highway
- US Highway
- Bypass
- Gravel
- Paved
- Railroads
- County Boundaries
- PLSS Sections
- PLSS Townships

Orthophoto Source: NDDOT
Date of Photography: 2010 CB
Data Source: NDDOT Map 5 10000T

Wetland Map

Sheet No.	Scale	Project No.	Sheet
103	1:25,000	103-103096541W-48197501N	1 of 1

NDDOT
North Dakota
Department of Transportation

0 60 120 240 360 480 Feet

August 3, 2011

Mr. Paul J. Sweeney, State Conservationist
U.S. Department of Agriculture
P.O. Box 1458
Bismarck, ND 58502

PROJECT NO. BRS-7-804(043)290, PCN 18982
STRUCTURAL REHABILITATION
ND 1804 - 28 MILES EAST OF WILLISTON
WILLIAMS COUNTY

The North Dakota Department of Transportation, in cooperation with the Federal Highway Administration, is proposing a roadway improvement on ND 1804 at Reference Point 290.195, which is 28 miles East of Williston.

The project consists of replacing the existing single span concrete channel-girder bridge that was built in 1969 with a box culvert. The existing bridge has a total length of 31 feet and a clear roadway width of 36.8 feet. It conveys the flows of Nelson Creek from north to south.

The existing bridge demonstrates signs of deterioration, including spalling, exposed rebar, scaling, random hairline cracks, and rust stains. Due to the poor condition of the superstructure and the size of the waterway, the only option for replacement is to replace the existing bridge with a box culvert. The estimated structure size to replace the existing bridge is a Triple 11'x7'x100' RCB.

There will be a need for a detour route or temporary bypass while the construction work is being completed. A possible detour route would be utilizing County Road 17A and 110th Ave NW. See the attached map for the location of the possible detour route.

This project is expected to be constructed during the 2012 construction season.

To ensure that all social, economic, and environmental effects are considered in the development of this project, we are soliciting your views and comments on the proposed project pursuant to Section 102(2) (D) (IV) of the National Environmental Policy Act of 1969, as amended. We are particularly interested in any property which your department may own or have an interest in and which would be adjacent to the proposed roadway improvement. We would also appreciate being made aware of any proposed developments your department may be contemplating in the areas under consideration for the proposed roadway facility. Any information that might help us in our studies would be appreciated.

Please identify any prime farmland in the area. In addition, we request your comments on any

Page 2
August 3, 2011

effect this project will have on prime farmland. If there is prime or unique farmland within the project area, the information you provide will be used to fill out the Site Assessment portion of the Farmland Conversion Impact Rating Sheet for each alternative under consideration, as required by the Farmland Protection Policy Act (FPPA).

The Federal Highway Administration's Guidelines for Implementing the Final Rule of the Farmland Protection Policy Act for Highway Projects states that if all project alternatives receive a site assessment rating of less than 60 (and, therefore, a maximum overall rating of less than 160), the rating sheet does not have to be sent to the NRCS but will be placed in the project file. Under FPPA, projects with scores of less than 160 are given a minimum level of consideration for protection and no further sites would need to be evaluated.

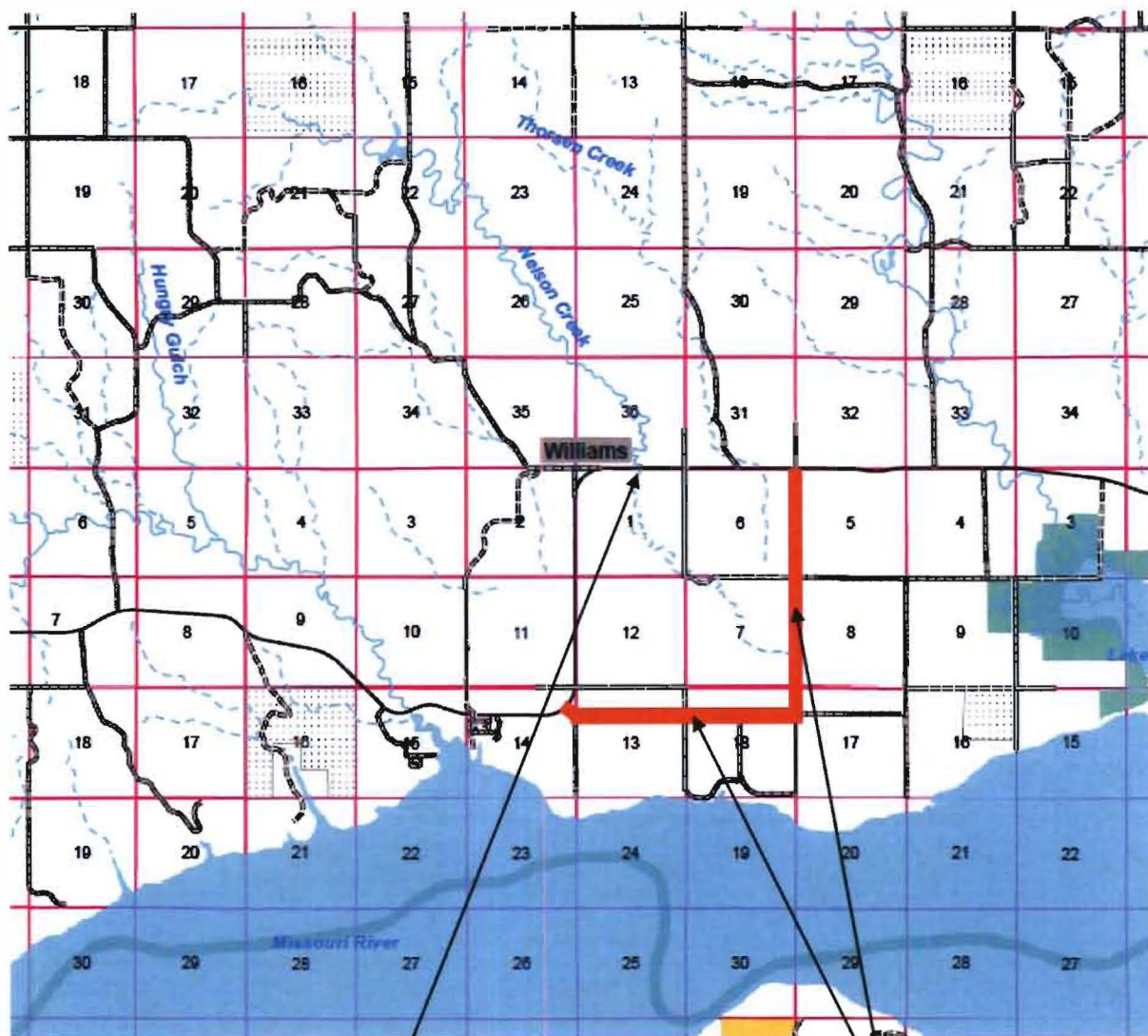
Information or comments relating to environmental or other matters that you might furnish will be used in determining if this project is a "categorical exclusion" or whether an "Environmental Assessment" or a "Draft Environmental Impact Statement" will be prepared.

It is requested that any comments or information be forwarded to our office on or before September 5, 2011. If no reply is received by this date, it will be assumed that you have no comment on this project.

If further information is desired regarding the proposed roadway improvement, please contact Justin Ramsey at 701-328-1217 in Bismarck, North Dakota.

Mark S. Gaydos, P.E., Director of Environmental and Transportation Services

Enclosure



Bridge 1804-290.195
 ND Highway 1804
 N ½ SEC 1 T154 R97W
 S ½ SEC 36 T155N R 97W

Possible Detour

Project Location Map
 BRS-7-804(043)290

August 2, 2011

Mr. David Glatt
Chief
Environmental Health Section
ND Department of Health
P.O. Box 5520
Bismarck, ND 58506-5520

PROJECT NO. BRS-7-804(043)290, PCN 18982
STRUCTURAL REHABILITATION
ND 1804 - 28 MILES EAST OF WILLISTON
WILLIAMS COUNTY

The North Dakota Department of Transportation, in cooperation with the Federal Highway Administration, is proposing a roadway improvement on ND 1804 at Reference Point 290.195, which is 28 miles East of Williston.

The project consists of replacing the existing single span concrete channel-girder bridge that was built in 1969 with a box culvert. The existing bridge has a total length of 31 feet and a clear roadway width of 36.8 feet. It conveys the flows of Nelson Creek from north to south.

The existing bridge demonstrates signs of deterioration, including spalling, exposed rebar, scaling, random hairline cracks, and rust stains. Due to the poor condition of the superstructure and the size of the waterway, the only option for replacement is to replace the existing bridge with a box culvert. The estimated structure size to replace the existing bridge is a Triple 11'x7'x100' RCB.

There will be a need for a detour route or temporary bypass while the construction work is being completed. A possible detour route would be utilizing County Road 17A and 110th Ave NW. See the attached map for the location of the possible detour route.

This project is expected to be constructed during the 2012 construction season.

The following tabulation shows the average daily traffic volumes (ADT) once the new facility is completed and the expected ADT in 20 years after completion.

Mr. David Glatt
Page 2
September 13, 2011

LOCATION	ADT UPON COMPLETION OF IMPROVEMENT	FORECAST ADT
Bridge 1804-290.195	655	1,030

We believe that these volumes are not of the magnitude that would result in the violation of any Air Quality Standards and the project is consistent with the State Implementation Plan for air quality.

Your concurrence in this determination is requested.

To ensure that all social, economic, and environmental effects are considered in the development of this project, we are soliciting your views and comments on the proposed project pursuant to Section 102(2) (D) (IV) of the National Environmental Policy Act of 1969, as amended. We are particularly interested in any issues pertaining to solid and hazardous waste, municipal wastewater, water quality, and the occurrence of past contamination along the project area.

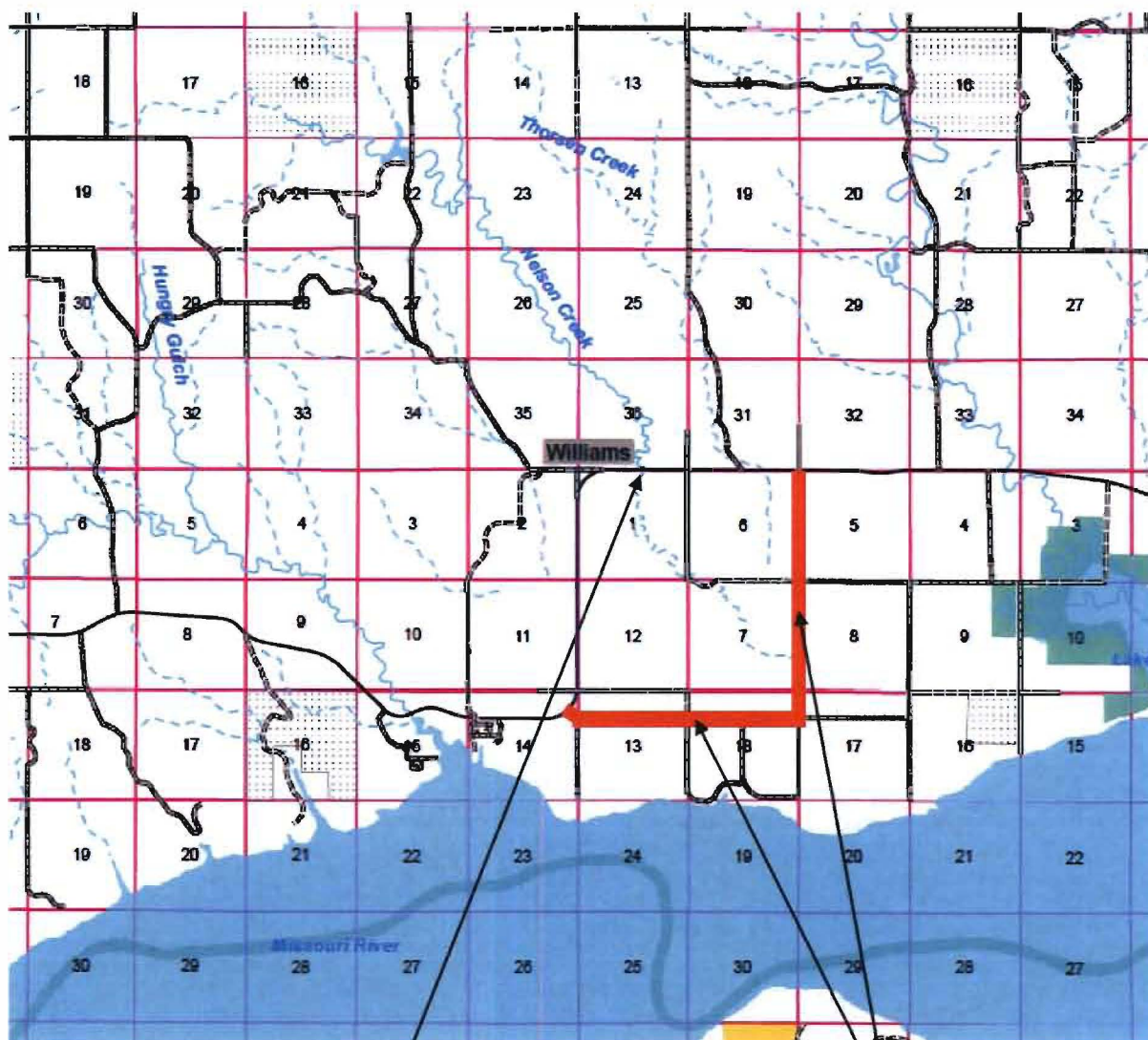
Information or comments relating to environmental or other matters that you might furnish will be used in determining if this project is a "categorical exclusion" or whether an "Environmental Assessment" or a "Draft Environmental Impact Statement" will be prepared.

It is requested that any comments or information be forwarded to our office on or before September 5, 2011. If no reply is received by this date, it will be assumed that you have no comment on this project.

If further information is desired regarding the proposed roadway improvement, please contact Justin Ramsey at 701-328-1217 in Bismarck, North Dakota.

Mark S. Gaydos, P.E., Director of Environmental and Transportation Services

Enclosure



Bridge 1804-290.195
 ND Highway 1804
 N ½ SEC 1 T154 R97W
 S ½ SEC 36 T155N R 97W

Possible Detour

Project Location Map
 BRS-7-804(043)290



North Dakota Department of Transportation

Francis G. Ziegler, P.E.
Director

Jack Dalrymple
Governor

August 18, 2011

Merl Paaverud
ND State Historic Preservation Officer
ND Heritage Center
612 East Boulevard Avenue
Bismarck, ND 58505-0830

Attn: Lisa Steckler, Project Review Coordinator

CONSULTATION ON NDDOT PROJECTS, STATE HIGHWAY SYSTEM

We are initiating consultation on the following project. This letter is intended to give you information on the proposed project and how we intend to proceed to meet our responsibilities under Section 106 of the National Historic Preservation Act of 1966 (as revised 1992). Further, it is intended to solicit your views pursuant to Section 102(2) (D) (IV) of the National Environmental Policy Act of 1969. We would appreciate your comment on the project and our planned cultural resource work, and discussion of any concerns you may have regarding historic properties which may be affected by the project.

Lead Federal Agency: Federal Highway Administration
NDDOT Project #: BRS-7-804(043)290 **PCN:** 18982

Legal Location:

Williams County	T154N R97W	Sections: NE ¼ SEC 1
	T155N R97W	Sections: SE ¼ SEC 36

Project Type: Structural Rehabilitation

Purpose and Need: The project consists of replacing the existing single span concrete channel-girder bridge that was built in 1969 with a box culvert. The existing bridge demonstrates signs of deterioration, including spalling, exposed rebar, scaling, random hairline cracks, and rust stains.

Project Description: The North Dakota Department of Transportation, in cooperation with the Federal Highway Administration, is proposing a roadway improvement on ND 1804 at Reference Point 290.195, which is 28 miles East of Williston. Due to the poor condition of the superstructure and the size of the waterway, the only option for replacement is to replace the existing bridge with a box culvert. The estimated structure size to replace the existing bridge is a Triple 11'x7'x100' RCB.

There will be a need for a detour route or temporary bypass while the construction work is being completed. A possible detour route would be utilizing County Road 17A and 110th Ave NW. See the attached map for the location of the possible detour route. The NDDOT anticipates acquiring 25 feet of permanent right of way and 25' of construction easement on the North and South end of the culvert. It is anticipated to extend the 25' of permanent and the 25 feet of temporary 200' East and 200' West. There are utilities in the area but they are not anticipated to be affected.

APE: The area of potential effect is the footprint of the project.

Justification: This is minor work to an existing highway.

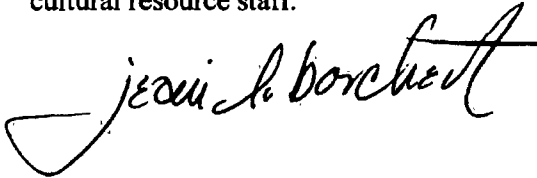
Proposed Cultural Resource Work: Class III cultural resource inventory.

Justification: This portion of Highway 1804 has not been previously surveyed for cultural resources. As indicated in the enclosed report, a Class III cultural resource inventory was completed for the project by Jeani Borchert and Greg Wermers on May 7, 2011. No cultural resources were identified.

Other Consulting Parties: All NDDOT projects are discussed with our Tribal Consultation Committee.

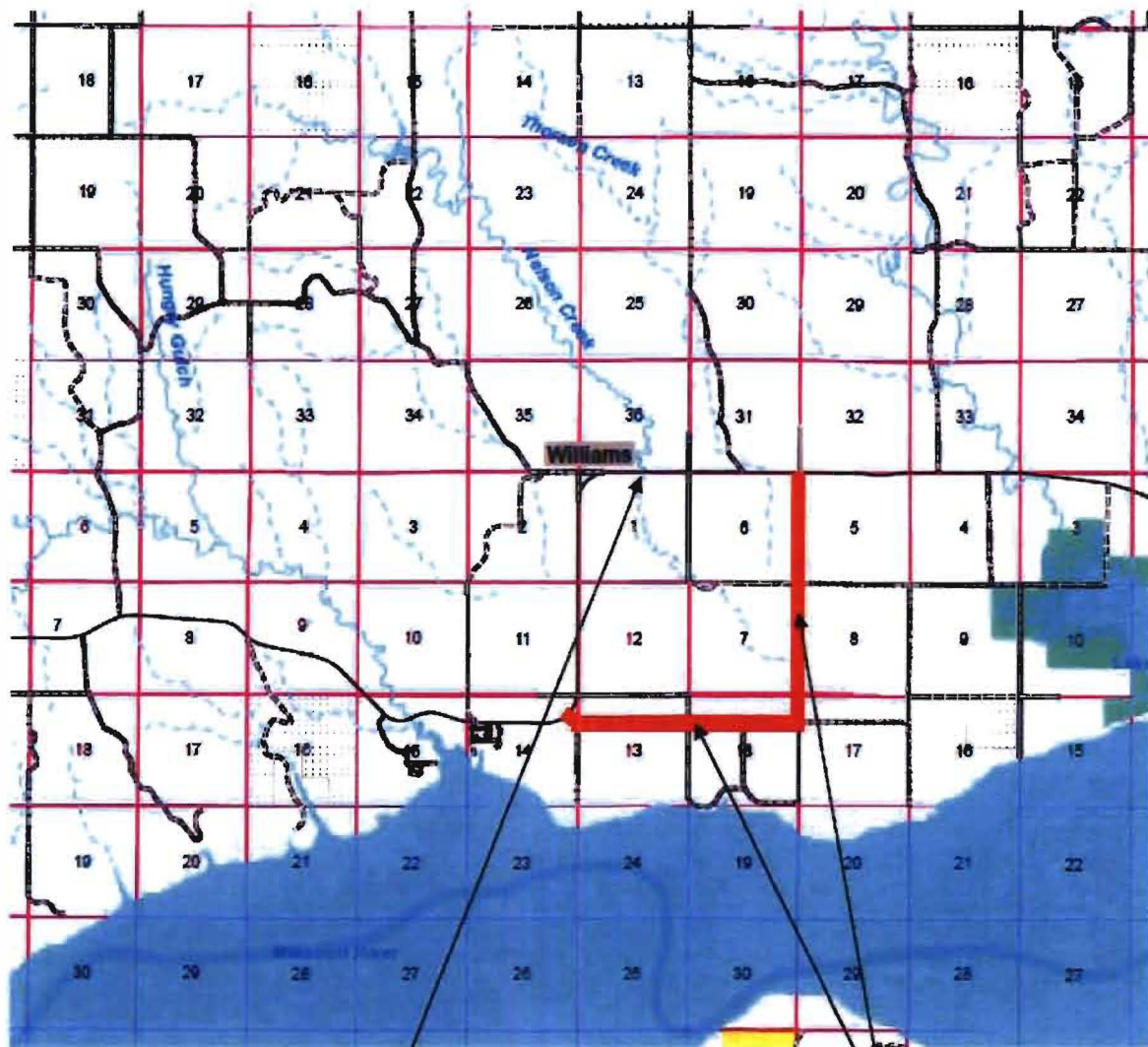
Plan for Public Involvement: Solicitation of views letters have been sent to a variety of State, Federal, Tribal, and local government entities.

We are requesting your concurrence with a finding of No Historic Properties Affected. If you need further information regarding the proposed project please contact me or the other NDDOT cultural resource staff.

A handwritten signature in black ink, reading "jeani l. borchert". The signature is written in a cursive, flowing style with a large loop at the end.

JEANI L. BORCHERT, NDDOT, ETS DIVISION, CULTURAL RESOURCE SECTION

Attached Map



Bridge 1804-290.195
ND Highway 1804
N ½ SEC 1 T154 R97W
S ½ SEC 36 T155N R 97W

Possible Detour

Project Location Map
BRS-7-804(043)290

August 3, 2011

Mr. Todd Sando
State Engineer
ND State Water Commission
900 E. Boulevard Avenue
Bismarck, ND 58505-0850

PROJECT NO. BRS-7-804(043)290, PCN 18982
STRUCTURAL REHABILITATION
ND 1804 - 28 MILES EAST OF WILLISTON
WILLIAMS COUNTY

The North Dakota Department of Transportation, in cooperation with the Federal Highway Administration, is proposing a roadway improvement on ND 1804 at Reference Point 290.195, which is 28 miles East of Williston.

The project consists of replacing the existing single span concrete channel-girder bridge that was built in 1969 with a box culvert. The existing bridge has a total length of 31 feet and a clear roadway width of 36.8 feet. It conveys the flows of Nelson Creek from north to south.

The existing bridge demonstrates signs of deterioration, including spalling, exposed rebar, scaling, random hairline cracks, and rust stains. Due to the poor condition of the superstructure and the size of the waterway, the only option for replacement is to replace the existing bridge with a box culvert. The estimated structure size to replace the existing bridge is a Triple 11'x7'x96' RCB.

There will be a need for a detour route or temporary bypass while the construction work is being completed. A possible detour route would be utilizing County Road 17A and 110th Ave NW. See the attached map for the location of the possible detour route.

This project is expected to be constructed during the 2012 construction season.

To ensure that all social, economic, and environmental effects are considered in the development of this project, we are soliciting your views and comments on the proposed project pursuant to Section 102(2) (D) (IV) of the National Environmental Policy Act of 1969, as amended. We are particularly interested in any property which your department may own or have an interest in and which would be adjacent to the proposed roadway improvement. We would also appreciate

Page 2

August 3, 2011

being made aware of any proposed developments your department may be contemplating in the areas under consideration for the proposed roadway facility. Any information that might help us in our studies would be appreciated.

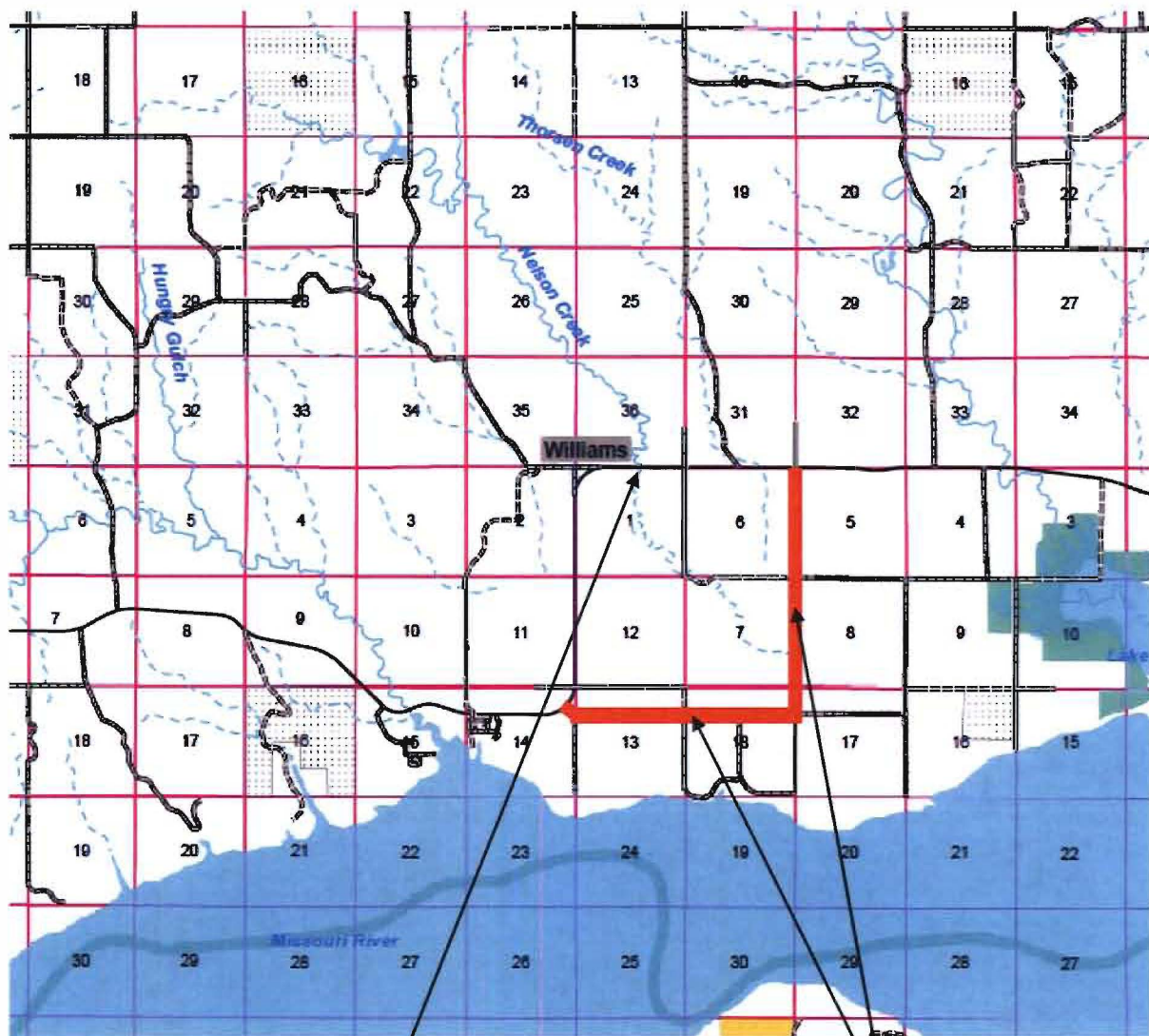
Information or comments relating to environmental or other matters that you might furnish will be used in determining if this project is a "categorical exclusion" or whether an "Environmental Assessment" or a "Draft Environmental Impact Statement" will be prepared.

Please provide information on necessary permits required such as whether the project lies within a floodway or floodplain, lies within "Sovereign Lands", or could affect a dam, dike, or other device. It is requested that any comments or information be forwarded to our office on or before September 5, 2011. If no reply is received by this date, it will be assumed that you have no comment on this project.

If further information is desired regarding the proposed roadway improvement, please contact Justin Ramsey at 701-328-1217 in Bismarck, North Dakota.

Mark S. Gaydos, P.E., Director of Environmental and Transportation Services

Enclosure



Bridge 1804-290.195
 ND Highway 1804
 N ½ SEC 1 T154 R97W
 S ½ SEC 36 T155N R 97W

Possible Detour

Project Location Map
 BRS-7-804(043)290



August 23, 2011

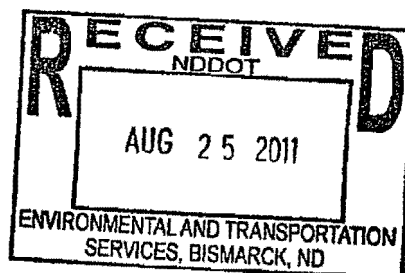
To: Mark S. Gaydos, P.E.
Director of Environmental and Transportation Services

Project No. BRS-7-804(043)290, PCN 18982
Structural Rehabilitation
ND 1804 – 28 miles east of Williston, Williams County

Williams County has no problems with the possible detour route on Williams County Road #17A. If DOT does decide to use this route for the detour, we would do a haul road inspection and DOT would be responsible for the maintenance, repairs and all signing on this detour route.

We also want you to know that there are 3 water depots on this route. You may also want to think about dust control as this will probably be a problem.

Dennis Nelson
Superintendent





NORTH DAKOTA
DEPARTMENT of HEALTH

ENVIRONMENTAL HEALTH SECTION
Gold Seal Center, 918 E. Divide Ave.
Bismarck, ND 58501-1947
701.328.5200 (fax)
www.ndhealth.gov



August 16, 2011

Mr. Mark S. Gaydos, P.E.
Director of Environmental & Transportation Services
ND Department of Transportation
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Re: Bridge Replacement Project No. BRS-7-804(043)290, PCN 18982
Williams County

Dear Mr. Gaydos:

This department has reviewed the information concerning the above-referenced project submitted under date of August 2, 2011 with respect to possible environmental impacts.

This department believes that environmental impacts from the proposed construction will be minor and can be controlled by proper construction methods. With respect to construction, we have the following comments:

1. All necessary measures must be taken to minimize fugitive dust emissions created during construction activities. Any complaints that may arise are to be dealt with in an efficient and effective manner.
2. Care is to be taken during construction activity near any water of the state to minimize adverse effects on a water body. This includes minimal disturbance of stream beds and banks to prevent excess siltation, and the replacement and revegetation of any disturbed area as soon as possible after work has been completed. Caution must also be taken to prevent spills of oil and grease that may reach the receiving water from equipment maintenance, and/or the handling of fuels on the site. Guidelines for minimizing degradation to waterways during construction are attached.
3. Projects disturbing one or more acres are required to have a permit to discharge storm water runoff until the site is stabilized by the reestablishment of vegetation or other permanent cover. Further information on the storm water permit may be obtained from the Department's website or by calling the Division of Water Quality (701-328-5210). Also, cities may impose additional requirements and/or specific best management practices for construction affecting their storm drainage system. Check with the local officials to be sure any local storm water management considerations are addressed.

Environmental Health
Section Chief's Office
701 328.5150

Division of
Air Quality
701.328.5188

Division of
Municipal Facilities
701.328.5211

Division of
Waste Management
701.328 5166

Division of
Water Quality
701.328.5210

Mr. Mark S. Gaydos

2.

August 2, 2011

4. Noise from construction activities may have adverse effects on persons who live near the construction area. Noise levels can be minimized by ensuring that construction equipment is equipped with a recommended muffler in good working order. Noise effects can also be minimized by ensuring that construction activities are not conducted during early morning or late evening hours.

The department owns no land in or adjacent to the proposed improvements, nor does it have any projects scheduled in the area. In addition, we believe the proposed activities are consistent with the State Implementation Plan for the Control of Air Pollution for the State of North Dakota.

These comments are based on the information provided about the project in the above-referenced submittal. The U.S. Army Corps of Engineers may require a water quality certification from this department for the project if the project is subject to their Section 404 permitting process. Any additional information which may be required by the U.S. Army Corps of Engineers under the process will be considered by this department in our determination regarding the issuance of such a certification.

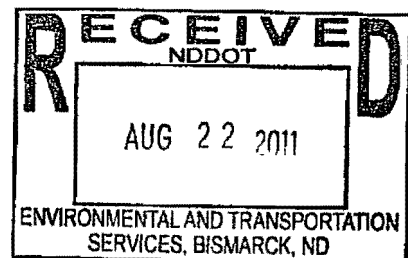
If you have any questions regarding our comments, please feel free to contact this office.

Sincerely,



L. David Glatt, P.E., Chief
Environmental Health Section

LDG:cc
Attach.





Construction and Environmental Disturbance Requirements

These represent the minimum requirements of the North Dakota Department of Health. They ensure that minimal environmental degradation occurs as a result of construction or related work which has the potential to affect the waters of the State of North Dakota. All projects will be designed and implemented to restrict the losses or disturbances of soil, vegetative cover, and pollutants (chemical or biological) from a site.

Soils

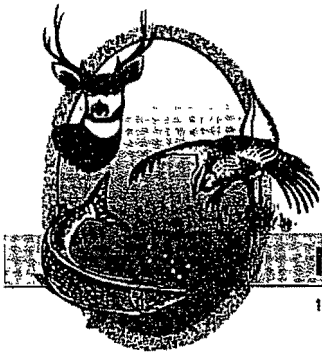
Prevent the erosion of exposed soil surfaces and trapping sediments being transported. Examples include, but are not restricted to, sediment dams or berms, diversion dikes, hay bales as erosion checks, riprap, mesh or burlap blankets to hold soil during construction, and immediately establishing vegetative cover on disturbed areas after construction is completed. Fragile and sensitive areas such as wetlands, riparian zones, delicate flora, or land resources will be protected against compaction, vegetation loss, and unnecessary damage.

Surface Waters

All construction which directly or indirectly impacts aquatic systems will be managed to minimize impacts. All attempts will be made to prevent the contamination of water at construction sites from fuel spillage, lubricants, and chemicals, by following safe storage and handling procedures. Stream bank and stream bed disturbances will be controlled to minimize and/or prevent silt movement, nutrient upsurges, plant dislocation, and any physical, chemical, or biological disruption. The use of pesticides or herbicides in or near these systems is forbidden without approval from this Department.

Fill Material

Any fill material placed below the high water mark must be free of top soils, decomposable materials, and persistent synthetic organic compounds (in toxic concentrations). This includes, but is not limited to, asphalt, tires, treated lumber, and construction debris. The Department may require testing of fill materials. All temporary fills must be removed. Debris and solid wastes will be removed from the site and the impacted areas restored as nearly as possible to the original condition.



"VARIETY IN HUNTING AND FISHING"

NORTH DAKOTA GAME AND FISH DEPARTMENT

100 NORTH BISMARCK EXPRESSWAY BISMARCK, NORTH DAKOTA 58501-5095 PHONE 701-328-6300 FAX 701-328 6352

September 1, 2011

Mark S. Gaydos, PE
Director, Environmental and Transportation Services
ND Department of Transportation
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Dear Mr. Gaydos:

RE: BRS-7-804(043)290, PCN 18982

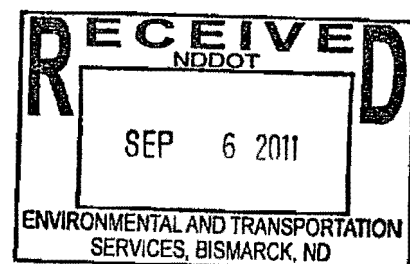
This project consists of replacing the existing single span concrete channel-girder bridge over Nelson Creek with a box culvert on ND Highway 1804 east of Williston in Williams County, North Dakota.

We recommend that any unavoidable destruction or degradation of wetland acres be mitigated in kind, erosion control measures be implemented to minimize sedimentation, and any disruption or displacement of the streambed and banks other than the planned alterations be restored to pre-project conditions. As a multi-barreled culvert will likely be used, we also recommend the structures and any associated riprap be countersunk approximately one foot below the creek bed to allow sediments to accumulate and provide adequate substrate and water depth for fish passage.

Sincerely,

Greg Link
Chief
Conservation & Communication Division

js



United States Department of Agriculture



Natural Resources Conservation Service
P.O. Box 1458
Bismarck, ND 58502-1458

August 16, 2011

Mark S. Gaydos
North Dakota Department of Transportation
608 East Boulevard Avenue
Bismarck, ND 58505-0700

PROJECT NO. BRS-7-804(043)290, PCN 18982
Structural Rehabilitation
ND 1804 – 28 miles East of Williston
Williams County, ND

Dear Mr. Gaydos:

The Natural Resources Conservation Service (NRCS) has reviewed your letter dated August 3, 2011, concerning a roadway improvement on ND 1804, 28 miles East of Williston, North Dakota.

Important Farmlands - NRCS has a major responsibility with Farmland Protection Policy Act (FPPA) in documenting conversion of farmland (i.e., prime, statewide, and local importance) to non-agricultural use when the project utilizes federal funds. You are anticipating the acquisition of additional right-of-way; therefore, the Form AD-1006 will need to be completed. If the project stays within the existing road right-of-way, FPPA has previously been addressed and no further action is required.

Enclosed is a Form AD-1006 or you may utilize a fillable, web based form at http://www.nrcs.usda.gov/Programs/fppa/pdf_files/AD1006.PDF to record the following. Please complete Part I and Part III for those areas outside the current road right-of-way and return to Jon Stika, Area Resource Soil Scientist, 135 Sims Street, Suite 210, Dickinson, ND, 58601 or call 701-225-5113 ext. 107. If applicable, you may email the information to jon.stika@nd.usda.gov. We will also need a map of the site at an appropriate scale so we can accurately assess the area (e.g., 1:20,000 or 1:24,000). If the farmland (i.e., prime, statewide, and local importance) is determined to be subject to the FPPA, we will then complete Parts II and IV. NRCS will measure the relative value of the site as farmland on a scale of 0 to 100, according to the information sources listed in CFR, Sec. 658.5(a). If FPPA applies to this site, Form AD-1006 will be returned to your agency for completion of Part VI, Site Assessment Criteria.

Helping People Help the Land

An Equal Opportunity Provider and Employer


Mr. Gaydos
Page 2

NRCS is monitoring Farmland Conversion Impact Ratings (Form AD-1006, Form AD-106) and are concerned with how some of the forms are being completed, particularly Part IV – site Assessment Criteria, which is being scored below 60 points. As a general rule, if FPPA applies and the site is in agricultural production, rarely would it be appropriate for it to have a score of less than 60 points. If you have questions concerning the Farmland Conversion Impact Ratings or assessment factors, please contact Steve Sieler, State Soil Liaison, NRCS, Bismarck, North Dakota (701-530-2019).

Wetlands – The Wetland Conservation Provisions of the 1985 Food Security Act, as amended, provide that if a USDA participant converts a wetland for the purpose of, or to have the effect of, making agricultural production possible, loss of USDA benefits could occur. NRCS has developed the following guidelines for the installation of buried utilities. If these guidelines are followed, the impacts to the wetland(s) will be considered minimal allowing USDA participants to continue to receive USDA benefits. Following are the requirements: 1) Disturbance to the wetland(s) must be temporary, 2) no drainage of the wetland(s) is allowed (temporary or permanent), 3) mechanized landscaping necessary for installation is kept to a minimum and preconstruction contours are maintained, 4) temporary side cast material must be placed in such a manner not to be dispersed in the wetland, and 5) all trenches must be backfilled to the original wetland bottom elevation.

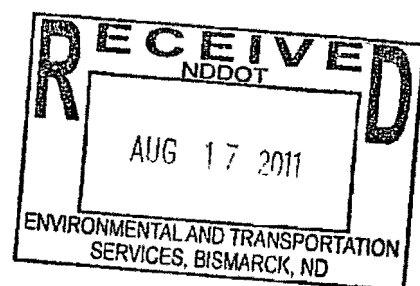
NRCS would recommend that impacts to wetlands be avoided. If the alignment of the project requires passage through a wetland, NRCS can complete a certified wetland determination, if requested by the landowner/operator.

Sincerely,


JEROME SCHAAR
State Soil Scientist/MO 7 Leader

Enclosure

cc: w/o encl.
David Schmidt, DC, NRCS, Williston, ND
Jon Stika, ARSS, NRCS, Dickinson, ND
Terrance Gisvold, ASTC (FO), NRCS, Dickinson, ND



U.S. Department of Agriculture

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request 10-10-11				
Name of Project BRS-7-804(043)290		Federal Agency Involved Federal Highway				
Proposed Land Use Install Box Culvert		County and State Williams, ND				
PART II (To be completed by NRCS)		Date Request Received By NRCS 10-10-11		Person Completing Form Stika		
Does the site contain Prime, Unique, Statewide or Local Important Farmland? (If no, the FPPA does not apply - do not complete additional parts of this form)		YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Acres Irrigated 0	Average Farm Size 1376	
Major Crop(s) wheat	Farmable Land In Govt Jurisdiction Acres 118098% 89	Amount of Farmland As Defined in FPPA Acres 11809% 89				
Name of Land Evaluation System Used	Name of State or Local Site Assessment System	Date Land Evaluation Returned by NRCS 10-11-11				
PART III (To be completed by Federal Agency)		Alternative Site Rating				
		Site A	Site B	Site C	Site D	
A Total Acres To Be Converted Directly		0.918				
B Total Acres To Be Converted Indirectly						
C Total Acres In Site						
PART IV (To be completed by NRCS) Land Evaluation Information						
A Total Acres Prime And Unique Farmland		0				
B Total Acres Statewide Important or Local Important Farmland		.918				
C Percentage Of Farmland in County Or Local Govt Unit To Be Converted		.1				
D Percentage Of Farmland in Govt Jurisdiction With Same Or Higher Relative Value		24				
PART V (To be completed by NRCS) Land Evaluation Criteron Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)		88				
PART VI (To be completed by Federal Agency) Site Assessment Criteria (Criteria are explained in 7 CFR 658 5 b For Corridor project use form NRCS-CPA-106)		Maximum Points	Site A	Site B	Site C	Site D
1 Area In Non-urban Use		(15)	15			
2 Perimeter In Non-urban Use		(10)	10			
3 Percent Of Site Being Farmed		(20)	0			
4 Protection Provided By State and Local Government		(20)	0			
5 Distance From Urban Built-up Area		(15)	0			
6 Distance To Urban Support Services		(15)	0			
7 Size Of Present Farm Unit Compared To Average		(10)	0			
8 Creation Of Non-farmable Farmland		(10)	0			
9 Availability Of Farm Support Services		(5)	5			
10 On-Farm Investments		(20)	0			
11 Effects Of Conversion On Farm Support Services		(10)	0			
12 Compatibility With Existing Agricultural Use		(10)	0			
TOTAL SITE ASSESSMENT POINTS		160	30	0	0	0
PART VII (To be completed by Federal Agency)						
Relative Value Of Farmland (From Part V)		100	88	0	0	0
Total Site Assessment (From Part VI above or local site assessment)		160	30	0	0	0
TOTAL POINTS (Total of above 2 lines)		260	118	0	0	0
Site Selected Site A		Date Of Selection 10/11/2011		Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
Reason For Selection Location is currently a highway corridor. Selecting an alternative site would require additional impacts.						
Name of Federal agency representative completing this form					Date	

(See Instructions on reverse side)

Form AD-1006 (03-02)

STEPS IN THE PROCESSING THE FARMLAND AND CONVERSION IMPACT RATING FORM

- Step 1 - Federal agencies (or Federally funded projects) involved in proposed projects that may convert farmland, as defined in the Farmland Protection Policy Act (FPPA) to nonagricultural uses, will initially complete Parts I and III of the form. For Corridor type projects, the Federal agency shall use form NRCS-CPA-106 in place of form AD-1006. The Land Evaluation and Site Assessment (LESA) process may also be accessed by visiting the FPPA website, <http://fppa.nrcs.usda.gov/lesa/>
- Step 2 - Originator (Federal Agency) will send one original copy of the form together with appropriate scaled maps indicating location(s) of project site(s), to the Natural Resources Conservation Service (NRCS) local Field Office or USDA Service Center and retain a copy for their files. (NRCS has offices in most counties in the U.S. The USDA Office Information Locator may be found at http://offices.usda.gov/scripts/ndisAPI.dll/orp_public/USA_map, or the offices can usually be found in the Phone Book under U.S. Government, Department of Agriculture. A list of field offices is available from the NRCS State Conservationist and State Office in each State.)
- Step 3 - NRCS will, within 10 working days after receipt of the completed form, make a determination as to whether the site(s) of the proposed project contains prime, unique, statewide or local important farmland. (When a site visit or land evaluation system design is needed, NRCS will respond within 30 working days.)
- Step 4 - For sites where farmland covered by the FPPA will be converted by the proposed project, NRCS will complete Parts II, IV and V of the form.
- Step 5 - NRCS will return the original copy of the form to the Federal agency involved in the project, and retain a file copy for NRCS records.
- Step 6 - The Federal agency involved in the proposed project will complete Parts VI and VII of the form and return the form with the final selected site to the servicing NRCS office.
- Step 7 - The Federal agency providing financial or technical assistance to the proposed project will make a determination as to whether the proposed conversion is consistent with the FPPA.

INSTRUCTIONS FOR COMPLETING THE FARMLAND CONVERSION IMPACT RATING FORM

(For Federal Agency)

Part I: When completing the "County and State" questions, list all the local governments that are responsible for local land use controls where site(s) are to be evaluated.

Part III: When completing item B (Total Acres To Be Converted Indirectly), include the following:

1. Acres not being directly converted but that would no longer be capable of being farmed after the conversion, because the conversion would restrict access to them or other major change in the ability to use the land for agriculture.
2. Acres planned to receive services from an infrastructure project as indicated in the project justification (e.g. highways, utilities planned build out capacity) that will cause a direct conversion.

Part VI: Do not complete Part VI using the standard format if a State or Local site assessment is used. With local and NRCS assistance, use the local Land Evaluation and Site Assessment (LESA).

1. Assign the maximum points for each site assessment criterion as shown in § 658.5(b) of CFR. In cases of corridor-type project such as transportation, power line and flood control, criteria #5 and #6 will not apply and will be weighted zero, however, criterion #8 will be weighed a maximum of 25 points and criterion #11 a maximum of 25 points.
2. Federal agencies may assign relative weights among the 12 site assessment criteria other than those shown on the FPPA rule after submitting individual agency FPPA policy for review and comment to NRCS. In all cases where other weights are assigned, relative adjustments must be made to maintain the maximum total points at 160. For project sites where the total points equal or exceed 160, consider alternative actions, as appropriate, that could reduce adverse impacts (e.g. Alternative Sites, Modifications or Mitigation).

Part VII: In computing the "Total Site Assessment Points" where a State or local site assessment is used and the total maximum number of points is other than 160, convert the site assessment points to a base of 160.

Example: if the Site Assessment maximum is 200 points, and the alternative Site "A" is rated 180 points:

$\frac{\text{Total points assigned Site A}}{\text{Maximum points possible}} = \frac{180}{200} \times 160 = 144 \text{ points for Site A}$

For assistance in completing this form or FPPA process, contact the local NRCS Field Office or USDA Service Center.

NRCS employees, consult the FPPA Manual and/or policy for additional instructions to complete the AD-1006 form.

MEMORANDUM

TO: Daniel Cimarosti, Regulatory Program Manager, USACE

FROM:  Sheri G. Lares, Environmental Section Leader, NDDOT

DATE: August 12, 2011

SUBJECT: Concurrence of USACE Preliminary Jurisdictional Determination
USACE Number: **NWO-2011-01541-BIS**
Issue Date: **August 8, 2011**
NDDOT Project No.: **BRS-7-804(043)290**
NDDOT PCN: **18982**

Please find attached our concurrence for preliminary jurisdictional determination **NWO-2011-01541-BIS**.

If there are any additional questions please contact me at (701)328-2188.

Enc: Signed Preliminary Jurisdictional Determination Form
194:sgl:cll



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Great Plains Regional Office
115 Fourth Avenue S E, Suite 400
Aberdeen, South Dakota 57401



AUG 10 2011

IN REPLY REFER TO
DESCRM
MC-208

Mark S. Gaydos, P.E.
Director of Environmental & Transportation Services
North Dakota Department of Transportation
608 East Boulevard Avenue
Bismarck, North Dakota 58505-0700

Dear Mr. Gaydos:

We received your letter regarding the proposed roadway improvement project on ND 1804 at Reference Point 290.195, which is 28 miles East of Williston. We have considered the potential for both environmental damage and impacts to archaeological and Native American religious sites on lands held in trust by the Bureau of Indian Affairs, Great Plains Region. You should be aware, however, that Tribes or Tribal members may have lands in fee status near the site of interest. These lands would not necessarily be in our databases, and the Tribes should be contacted directly to ensure all concerns are recognized. The action considered has the following notification date and project location:

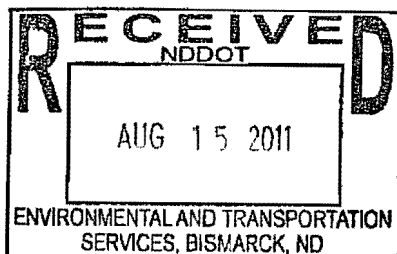
- August 3, 2011 BRS-7-804(043)290, PCN 18982
 Structural Rehabilitation
 ND 1804-28 Miles East of Williston, Williams County

We have no environmental objections to this action, as long as the project complies with all pertinent laws and regulations. Questions regarding environmental opinions and conditions can be addressed to Jeffrey Davis, Environmental Protection Specialist, at (605) 226-7656.

We also find that the listed action will not affect cultural resources on Tribal or individual landholdings for which we are responsible. Methodologies for the treatment of cultural resources now known or yet to be discovered – particularly human remains – must nevertheless utilize the best available science in accordance with provisions of the Native American Graves Protection and Repatriation Act, the Archaeological Resources Protection Act of 1979 (as amended), and all other pertinent legislation and implementing regulations. Archaeological concerns can be addressed to Dr. Carson N. Murdy, Regional Archaeologist, at (605) 226-7656.

Sincerely,

ACTING Deputy Regional Director – Indian Services





REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, OMAHA DISTRICT
NORTH DAKOTA REGULATORY OFFICE
1513 SOUTH 12TH STREET
BISMARCK ND 58504-6640
August 8, 2011

North Dakota Regulatory Office

[NWO-2011-01541-BIS]

North Dakota Department of Transportation
ATTN: Ms. Sheri Lares
Engineering & Environmental Section
608 East Boulevard Avenue
Bismarck, North Dakota 58505-0700

Dear Ms. Lares:

This is in reference to your request for a jurisdictional determination (JD) for roadway improvements on ND 1804 at Reference Point 290.195 [Project No. BRS-7-804(043)290 (PCN 18982)]. The project would consist of replacing a single span concrete channel-girder bridge. The planned project is located in Section 1, Township 154 North, Range 97 West and Section 36, Township 155 North, Range 97 West, in Williams County, North Dakota.

We have reviewed the information furnished and have determined that the identified wetlands appear to be jurisdictional waters of the United States (WOUS). The Corps of Engineers has jurisdiction over all WOUS, including wetlands, under the auspices of Section 404 of the Clean Water Act (CWA)(33 USC 1344); therefore, the discharge of dredged or fill material into these wetlands, **requires prior authorization** from the Corps. The implementing regulation for this Act is found at 33 CFR Parts 320-332.

The PJD is our written indication that the identified waters may be jurisdictional WOUS. Such waters will be treated as jurisdictional WOUS for purposes of computation of impacts and compensatory mitigation requirements. If you concur with the findings of the enclosed preliminary JD, please sign it and return it to the letterhead address.

If you believe the preliminary JD is inaccurate, you may request this office complete an approved JD prior to your commencement of any work in a WOUS. An approved JD is an official determination regarding the presence or absence of WOUS. Completion of an approved JD may require coordination with the U.S. Environmental Protection Agency.

Should you have any questions regarding this determination, please do not hesitate to contact me by letter or telephone (701)-255-0015 and reference Project Number **NWO-2011-01541-BIS**.

The Omaha District, North Dakota Regulatory Office is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete our Customer Service Survey found on our website at <http://per2.nwp.usace.army.mil/survey.html>. If you do not have Internet access, you may call and request a paper copy of the survey that you can complete and return to us by mail or fax.

Sincerely,


Michael A. Daehler
Project Manager
North Dakota Regulatory Office

Enclosure
-Preliminary JD

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

This preliminary JD finds that there “*may be*” waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

A. Report Completion Date for Preliminary Jurisdictional Determination (JD):

08 August 2011

B. Name and Address of Person Requesting Preliminary JD:

North Dakota Department of Transportation
ATTN: Ms. Sheri G. Lares
Environmental Services Section
608 East Boulevard Avenue
Bismarck, North Dakota 58504

C. District Office, File Name, and Number:

CENWO, NDDOT, NWO-2011-01541-BIS

D. PROJECT LOCATION(S), BACKGROUND INFORMATION, AND WATERS:

SI-T154N-R97W and S36-T155N-R97W

State: North Dakota

City: Williston

County: Williams

Name of nearest waterbody: Lake Sakakawea

Identify amount of waters in the review area: .16 acres of Nelson Creek wetlands.

Name of any water bodies on the site that have been identified as Section 10 waters.

Tidal: Not Applicable to this Region

Non-Tidal: None

Table 1 - Waters of the U.S.

Site #	Latitude	Longitude	Stream Flow	Cowardin Class	Estimated amount of aquatic resources in review area (acres)	Estimated amount of aquatic resource impact
1	48.197591	-103.096541	N/A	PEM	0.16	To be determined

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☒ Office (Desk) Determination. Date: 8 August 2011

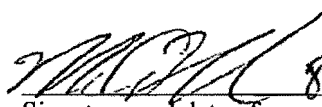
☐ Field Determination. Date(s): _____

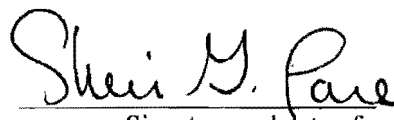
F. SUPPORTING DATA: See below:

Data reviewed for preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below):

- ☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:
Applicant provided maps & Delineation Map
- ☐ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - ☐ Office concurs with data sheets/delineation report.
 - ☐ Office does not concur with data sheets/delineation report.
- ☐ Data sheets prepared by the Corps: _____.
- ☐ Corps navigable waters' study: _____.
- ☒ U.S. Geological Survey Hydrologic Atlas: Lake Sakakawea . 10110101
 - ☐ USGS NHD data.
 - ☐ USGS 8 and 12 digit HUC maps.
- ☒ U.S. Geological Survey map(s). Cite quad name: RED MIKE HILL
- ☐ USDA Natural Resources Conservation Service Soil Survey. Citation: _____.
- ☒ National wetlands inventory map(s). Cite name: USFWS
- ☐ State/Local wetland inventory map(s): _____.
- ☐ FEMA/FIRM maps: _____.
- ☐ 100-year Floodplain Elevation is: _____ (National Geodetic Vertical Datum of 1929)
- ☒ Photographs: ☒ Aerial (Name & Date): Google Earth 2009.
or ☐ Other (Name & Date): _____.
- ☐ Previous determination(s). File no. and date of response letter: _____.
- ☐ Other information (please specify)

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

 8 Aug 2011
Signature and date of
Regulatory Project Manager
(REQUIRED)

 8/11/11
Signature and date of
person requesting preliminary JD
(REQUIRED, unless obtaining the
signature is impracticable)

G. EXPLANATION OF PRELIMINARY AND APPROVED JURISDICTIONAL DETERMINATIONS:

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable.



**STATE
HISTORICAL
SOCIETY
OF NORTH DAKOTA**

August 25, 2011

Jack Darymple
Governor of North Dakota

North Dakota
State Historical Board

Gerold Gerntholz
Valley City - President

Calvin Grinnell
New Town - Vice President

A. Ruric Todd III
Jamestown - Secretary

Albert I. Berger
Grand Forks

Richard Kloubec
Fargo

Diane K. Larson
Bismarck

Chester E. Nelson, Jr.
Bismarck

Sara Orte Coleman
Director
Tourism Division

Kelly Schmidt
State Treasurer

Alvin A. Jaeger
Secretary of State

Mark Zimmerman
Director
Parks and Recreation
Department

Francis Ziegler
Director
Department of Transportation

Merlan E. Paaverud, Jr.
Director

Accredited by the
American Association
of Museums since 1986

Mr. Greg Wermers
Archaeologist, ETS Division
Dep't of Transportation
608 East Boulevard Avenue
Bismarck, ND 58505-0700

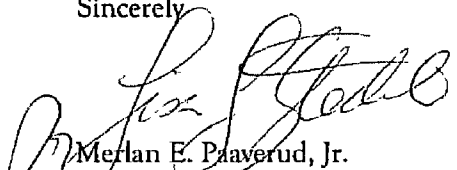
ND SHPO Ref.: 11-2483 NDDOT BRS-7-804(043)290. PCN 18982 "Highway 1804, Bridge Replacement, Williams County. NDDOT Project #BRS-7-804(043)290. PCN 18982" in portions of [T154N R97W Section 1] & [T155N R97W Section 36], Williams County, North Dakota

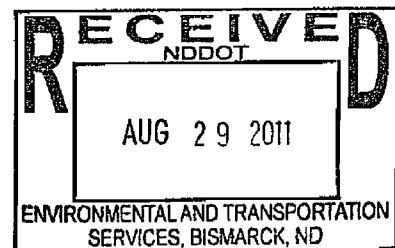
Dear Mr. Wermers,

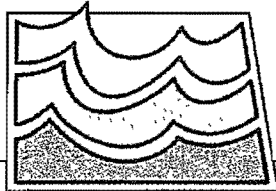
We reviewed ND SHPO Ref.: 11-2483 NDDOT BRS-7-804(043)290. PCN 18982 "Highway 1804, Bridge Replacement, Williams County. NDDOT Project #BRS-7-804(043)290. PCN 18982" in portions of [T154N R97W Section 1] & [T155N R97W Section 36], Williams County, North Dakota and find the report by Jeani Borchert acceptable. We concur with a "No Historic Properties Affected" determination, provided that the project is of the nature specified and takes place in the mapped location provided.

Thank you for the opportunity to review this project. If you have any questions please contact Lisa Steckler, Preservation Planner at (701) 328-3577, e-mail lsteckler@nd.gov

Sincerely,


Merlan E. Paaverud, Jr.
State Historic Preservation Officer (North Dakota)
and Director
State Historical Society of North Dakota





North Dakota State Water Commission

900 EAST BOULEVARD AVENUE, DEPT 770 • BISMARCK, NORTH DAKOTA 58505-0850
701-328-2750 • TDD 701-328-2750 • FAX 701-328-3696 • INTERNET: <http://swc.nd.gov>

October 6, 2011

Mark Gaydos
NDDOT
Inside Mail

Dear Mr. Gaydos:

This is in response to your request for review of environmental impacts associated with the Project No. BRS-7-804(043)290, PCN 18982, Structural Rehabilitation, ND 1804-28 Miles East of Williston, Williams County.

The proposed project has been reviewed by State Water Commission staff and the following comments are provided:

- The property is not located in an identified floodplain and it is believed the project will not affect an identified floodplain.
- It is the responsibility of the project sponsor to ensure that local, state and federal agencies are contacted for any required approvals, permits, and easements.
- All waste material associated with the project must be disposed of properly and not placed in identified floodway areas.
- No sole-source aquifers have been designated in ND.

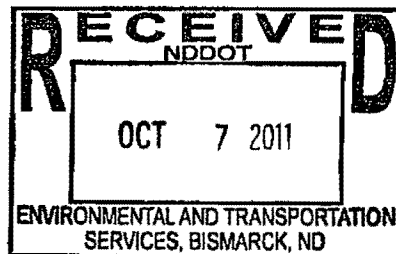
There are no other concerns associated with this project that affect State Water Commission or State Engineer regulatory responsibilities.

Thank you for the opportunity to provide review comments. If you have any questions, please call me at 328-4969.

Sincerely,

Larry Knudtson
Research Analyst

LJK:dp/1570



From: Kevin_Shelley@fws.gov
To: Beise, Logan S.
Subject: RE: SOV Letter for BRS-7-804(043)290
Date: Monday, September 26, 2011 10:45:29 AM
Attachments: [Project Map.pdf](#)

Logan: no wet or grass easements or ESA-designated critical habitat at these locations. W. Cranes sightings records within a 1-2 miles and w. cranes are currently in ND migrating south at this time. Avoid removal of nesting habitat for sprague's pipet. Golden eagle nest sites with within 2 mi of 1804 project area, south and north of roadway.

Given the proposed box culvert, Nelson Cr. must be a fish-bearing stream.....is that true?

Kevin Shelley
U.S. Fish and Wildlife Service
3425 Miriam Avenue
Bismarck, ND 58501
701-355-8512

"We took risks, we knew we took them. Things have turned out against us. Therefore, we have no cause for complaint." Final entry in the Diary of Robert Falcon Scott, 1913.

"Beise, Logan S."
<lsbeise@nd.gov>
09/26/2011 08:39 AM
To
"Kevin_Shelley@fws.gov"
<Kevin_Shelley@fws.gov>
cc
Subject
RE: SOV Letter for
BRS-7-804(043)290

I'm sorry. This attachment was sent with the original letter, but I forgot to attach it to the email.
ND Highway 1804
N ½ SEC 1 T154 R97W
S ½ SEC 36 T155N R 97W

Logan Beise
NDDOT Environmental & Transportation Services
608 East Boulevard Avenue
Bismarck, ND 58505-0700
701-328-2139
lsbeise@nd.gov

-----Original Message-----

From: Kevin_Shelley@fws.gov [mailto:Kevin_Shelley@fws.gov]
Sent: Monday, September 26, 2011 8:26 AM
To: Beise, Logan S.
Subject: Re: SOV Letter for BRS-7-804(043)290

Logan: I didn't see a legal description provided in the letter. Please provide so I can check the easement maps. k

Kevin Shelley
U.S. Fish and Wildlife Service
3425 Miriam Avenue
Bismarck, ND 58501
701-355-8512

"We took risks, we knew we took them. Things have turned out against us. Therefore, we have no cause for complaint." Final entry in the Diary of Robert Falcon Scott, 1913.

"Beise, Logan S."
<lsbeise@nd.gov>

To
09/19/2011 12:46 PM "kevin_shelley@fws.gov"
<kevin_shelley@fws.gov>
cc

Subject
SOV Letter for BRS-7-804(043)290

Hi Kevin,

I am Logan Beise with the NDDOT. We sent out SOV's for project number BRS-7-804(043)290 on August 3rd. We did not get a response from US Fish and Wildlife. I wanted to contact you to ensure that Fish and Wildlife didn't have any comments. Attached is the original letter. Sheri Lares gave me a list of species for Williams county:

Interior Least Tern	Endangered
Whooping Crane	Endangered
Pallid Sturgeon	Endangered
Gray Wolf	Endangered
Piping Plover	Threatened
Sprague's Pipit	Candidate
Designated Critical Habitat	Piping Plover


Please let me know if you have any comments and if you concur with this list of species. Also, are there any easement properties in the area?

Logan Beise
NDDOT Environmental & Transportation Services
608 East Boulevard Avenue
Bismarck, ND 58505-0700
701-328-2139
lsbeise@nd.gov
[attachment "FWS.pdf" deleted by Kevin Shelley/R6/FWS/DOI]
(See attached file: Project Map.pdf)

Appendix E
Design/Build Project Decision (7/8/11)

MEMORANDUM

TO: Ron Henke
Director of Project Development

FROM: Terry Udland 
Bridge Engineer

DATE: July 8, 2011

SUBJECT: Design/Build Project

Project BRS-7-804(043)290, (PCN 18982), is a bridge replacement project 28 miles east of Williston on Highway 1804. The existing bridge is a 31 foot long, concrete channel beam bridge. It is Structurally Deficient, has a Sufficiency Rating of 67.9 and is the last bridge on the state system with an Unknown Foundation. It is scheduled to be bid on December 14, 2012.

Since the bridge is only 31 feet long, it is safe to assume that it will be replaced with a box culvert. I believe this bridge replacement is a good candidate for the Design/Build Project and that we can position ourselves to be able to send out the "Request for Qualifications" in December of 2011. Upon concurrence, we will expedite project development.


I recommend concurrence.



Ron Henke, Director of Project Development

7/8/11
Date

I concur.



Grant Levi, Deputy Director for Engineering

7/8/11
Date